265
6-22-84 JS (2)

DR-0141-4

ISU-ERI-AMES-84221
(DE84010848)

Energy

CONSERVATION

BIBLIOGRAPHY ON AUGMENTATION OF CONVECTIVE HEAT
AND MASS TRANSFER-II

By
A. E. Bergles
V. Nirmalan
G. H. Junkhan
R. L. Webb

December 1983

Work Performed Under Contract No. FG07-81ID12222

Iowa State University
Engineering Research Institute
Heat Transfer Laboratory
Ames, Iowa

Technical Information Center
Office of Scientific and Technical Information
United States Department of Energy

DISCLAIMER

This report was prepared as an account of work sponsored by an agency of the United States Government. Neither the United States Government nor any agency Thereof, nor any of their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights. Reference herein to any specific commercial product, process, or service by trade name, trademark, manufacturer, or otherwise does not necessarily constitute or imply its endorsement, recommendation, or favoring by the United States Government or any agency thereof. The views and opinions of authors expressed herein do not necessarily state or reflect those of the United States Government or any agency thereof.

DISCLAIMER

Portions of this document may be illegible in electronic image products. Images are produced from the best available original document.

The following pages are an exact
representation of what is in the original
document folder.

DISCLAIMER

This report was prepared as an account of work sponsored by an agency of the United States Government. Neither the United States Government nor any agency thereof, nor any of their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights. Reference herein to any specific commercial product, process, or service by trade name, trademark, manufacturer, or otherwise does not necessarily constitute or imply its endorsement, recommendation, or favoring by the United States Government or any agency thereof. The views and opinions of authors expressed herein do not necessarily state or reflect those of the United States Government or any agency thereof.

This report has been reproduced directly from the best available copy.

Available from the National Technical Information Service, U. S. Department of Commerce, Springfield, Virginia 22161.

Price: Printed Copy A20
Microfiche A01

Codes are used for pricing all publications. The code is determined by the number of pages in the publication. Information pertaining to the pricing codes can be found in the current issues of the following publications, which are generally available in most libraries: *Energy Research Abstracts (ERA)*; *Government Reports Announcements and Index (GRA and I)*; *Scientific and Technical Abstract Reports (STAR)*; and publication NTIS-PR-360 available from NTIS at the above address.

ENGINEERING RESEARCH

Bibliographic Report

BIBLIOGRAPHY ON AUGMENTATION OF CONVECTIVE HEAT AND MASS TRANSFER-II

A. E. Bergles, V. Nirmalan,
G. H. Junkhan, and R. L. Webb

December 1983

Department of Energy
Grant No. DE-FG07-
81ID12222

HEAT TRANSFER LABORATORY
DEPARTMENT OF MECHANICAL ENGINEERING
ENGINEERING RESEARCH INSTITUTE
IOWA STATE UNIVERSITY AMES, IOWA 50011

A. E. BERGLES is Professor of Mechanical Engineering, Iowa State University

V. NIRMALAN is Graduate Research Assistant in Mechanical Engineering, Iowa State University

G. H. JUNKHAN is Professor of Mechanical Engineering, Iowa State University

R. L. WEBB is Professor of Mechanical Engineering, The Pennsylvania State University, University Park, Pennsylvania

ABSTRACT

Heat transfer augmentation has developed into a major specialty area in heat transfer research and development. This report presents an updated bibliography of world literature on augmentation. The literature is classified into passive augmentation techniques, which require no external power, and active techniques, which do require external power. The fifteen techniques are grouped in terms of their applications to the various modes of heat transfer. Mass transfer is included for completeness. Key words are included with each citation for technique/mode identification.

The total number of publications cited is 3,045, including 135 surveys of various techniques and 86 papers on performance evaluation of passive techniques. Patents are not included, as they are the subject of a separate bibliographic report.

TABLE OF CONTENTS

	<u>Page</u>
ABSTRACT	iii
INTRODUCTION	viii
AUGMENTATION TECHNIQUES	x
Passive Techniques	x
Active Techniques	xi
CITATION COLLECTION	xiii
ORGANIZATION OF THE LISTING	xvii
CONCLUDING REMARKS	xxi
REFERENCES	xxii
ACKNOWLEDGMENTS	xxiii
LITERATURE SURVEYS	1
TREATED SURFACES - POOL BOILING	9
TREATED SURFACES - FLOW BOILING	19
TREATED SURFACES - CONDENSATION	23
ROUGH SURFACES - NATURAL CONVECTION	29
ROUGH SURFACES - FORCED CONVECTION	33
ROUGH SURFACES - POOL BOILING	57
ROUGH SURFACES - FLOW BOILING	63
ROUGH SURFACES - CONDENSATION	69
ROUGH SURFACES - MASS TRANSFER	75
EXTENDED SURFACES - NATURAL CONVECTION	79
EXTENDED SURFACES - FORCED CONVECTION	83
EXTENDED SURFACES - POOL BOILING	105

	<u>Page</u>
EXTENDED SURFACES - FLOW BOILING	111
EXTENDED SURFACES - CONDENSATION	117
EXTENDED SURFACES - MASS TRANSFER	129
DISPLACED ENHANCEMENT DEVICES - FORCED CONVECTION	133
DISPLACED ENHANCEMENT DEVICES - POOL BOILING	139
DISPLACED ENHANCEMENT DEVICES - FLOW BOILING	143
DISPLACED ENHANCEMENT DEVICES - CONDENSATION	147
DISPLACED ENHANCEMENT DEVICES - MASS TRANSFER	151
SWIRL FLOW DEVICES - FORCED CONVECTION	155
SWIRL FLOW DEVICES - FLOW BOILING	165
SWIRL FLOW DEVICES - CONDENSATION	171
SWIRL FLOW DEVICES - MASS TRANSFER	175
COILED TUBES - FORCED CONVECTION	179
COILED TUBES - FLOW BOILING	189
COILED TUBES - CONDENSATION	195
COILED TUBES - MASS TRANSFER	199
SURFACE TENSION DEVICES - POOL BOILING	203
SURFACE TENSION DEVICES - FLOW BOILING	207
ADDITIVES FOR LIQUIDS - NATURAL CONVECTION	211
ADDITIVES FOR LIQUIDS - FORCED CONVECTION	215
ADDITIVES FOR LIQUIDS - POOL BOILING	219
ADDITIVES FOR LIQUIDS - FLOW BOILING	225
ADDITIVES FOR LIQUIDS - MASS TRANSFER	229
ADDITIVES FOR GASES - FORCED CONVECTION	233
ADDITIVES FOR GASES - CONDENSATION	245
MECHANICAL AIDS - NATURAL CONVECTION	249

	<u>Page</u>
MECHANICAL AIDS - FORCED CONVECTION	253
MECHANICAL AIDS - POOL BOILING	259
MECHANICAL AIDS - FLOW BOILING	263
MECHANICAL AIDS - CONDENSATION	267
MECHANICAL AIDS - MASS TRANSFER	271
SURFACE VIBRATIONS - NATURAL CONVECTION	275
SURFACE VIBRATIONS - FORCED CONVECTION	281
SURFACE VIBRATIONS - POOL BOILING	285
SURFACE VIBRATIONS - FLOW BOILING	289
SURFACE VIBRATIONS - CONDENSATION	293
SURFACE VIBRATIONS - MASS TRANSFER	297
FLUID VIBRATIONS - NATURAL CONVECTION	301
FLUID VIBRATIONS - FORCED CONVECTION	305
FLUID VIBRATIONS - POOL BOILING	313
FLUID VIBRATIONS - FLOW BOILING	317
FLUID VIBRATIONS - CONDENSATION	321
FLUID VIBRATIONS - MASS TRANSFER	325
ELECTRIC FIELDS - NATURAL CONVECTION	329
ELECTRIC FIELDS - FORCED CONVECTION	335
ELECTRIC FIELDS - POOL BOILING	341
ELECTRIC FIELDS - FLOW BOILING	345
ELECTRIC FIELDS - CONDENSATION	349
ELECTRIC FIELDS - MASS TRANSFER	353
INJECTION OR SUCTION - NATURAL CONVECTION	357
INJECTION OR SUCTION - FORCED CONVECTION	361
INJECTION OR SUCTION - POOL BOILING	365

	<u>Page</u>
INJECTION OR SUCTION - FLOW BOILING	369
INJECTION OR SUCTION - CONDENSATION	373
INJECTION OR SUCTION - MASS TRANSFER	377
JET IMPINGEMENT - FORCED CONVECTION	381
JET IMPINGEMENT - POOL BOILING	385
JET IMPINGEMENT - FLOW BOILING	389
JET IMPINGEMENT - MASS TRANSFER	393
COMPOUND ENHANCEMENT - NATURAL CONVECTION	397
COMPOUND ENHANCEMENT - FORCED CONVECTION	401
COMPOUND ENHANCEMENT - POOL BOILING	407
COMPOUND ENHANCEMENT - FLOW BOILING	411
COMPOUND ENHANCEMENT - CONDENSATION	415
COMPOUND ENHANCEMENT - MASS TRANSFER	419
PERFORMANCE EVALUATION CRITERIA	423

INTRODUCTION

Energy and materials savings considerations, as well as economic incentives, have led to recent expansion of efforts to produce more efficient heat exchange equipment. The goal may be to reduce the heat exchanger size or pumping power required for a specified heat duty, to upgrade the capacity of an existing heat exchanger, or to reduce the approach temperature difference for the process streams. More efficient heat transfer might also be required to prevent excessive temperatures, or even system destruction, in systems with fixed heat generation rates.

The study of improved heat transfer performance is referred to as heat transfer **augmentation, enhancement, or intensification**. In general, this means an increase in heat transfer coefficient. Attempts to increase "normal" heat transfer coefficients have been recorded for over a century, with one of the first formal studies published by J. P. Joule in 1861. During the past 30 years, literature on the subject, including papers, reports, theses, and patents, has increased at a rapid rate. Figure 1, based on the present report, illustrates the rate of literature growth and suggests that augmentation is now a major specialty area in heat transfer research, development, and practice.

Fig. 1. Citations on heat transfer augmentation versus year of publication (computer file status as of November 1983).

AUGMENTATION TECHNIQUES

This bibliography of world literature on heat transfer augmentation is based on the computer-based literature file in the Heat Transfer Laboratory at Iowa State University. The literature has been classified into passive augmentation techniques, which require no external power, and active techniques, which do require external power. The effectiveness of an augmentation technique is strongly dependent on the mode of heat transfer, which can range from single-phase free convection to dispersed-flow film boiling. Mass transfer is included for completeness and to acknowledge an increasing number of studies that derive heat transfer coefficients from mass transfer data. Brief descriptions of the two general classifications follow.

Passive Techniques

Treated surfaces involve fine-scale alteration of the surface finish or coatings (continuous or discontinuous), and are used for boiling and condensing. The roughness height is below that which affects single-phase heat transfer.

Rough surfaces are produced in many configurations ranging from random sand-grain-type roughness to discrete protuberances. The configuration is generally chosen to promote turbulence rather than to increase the heat transfer surface area. Application of rough surfaces is directed toward single-phase flow.

Extended surfaces are routinely employed in many heat exchangers. Current enhancement efforts are directed toward new types of extended

surfaces, such as integral inner-fin tubing, and improvement of heat-transfer coefficients on extended surfaces by shaping or perforating the surfaces.

Displaced enhancement devices are inserted into the flow channel so as to indirectly improve energy transport at the heated surface. They are used with forced flow.

Swirl flow devices include a number of geometrical arrangements or tube inserts for forced flow that create rotating and/or secondary flow: inlet vortex generators, twisted-tape inserts, and axial core inserts with a screw-type winding.

Coiled tubes lead to more compact heat exchangers. The secondary flow produces higher single-phase coefficients and improvements in most boiling regimes.

Surface tension devices involve wicks or grooved surfaces to transport liquid to boiling surfaces.

Additives for liquids include solid particles or gas bubbles in single-phase flows and liquid trace additives for boiling systems.

Additives for gases are liquid droplets or solid particles, either dilute phase (gas-solid suspensions) or dense phase (packed tubes and fluidized beds).

Active Techniques

Mechanical aids involve stirring the fluid by mechanical means or rotating the surface. Surface "scraping," widely used for viscous liquids in the chemical process industry, can be applied to duct flow

of gases. Equipment with rotating heat exchanger ducts is found in commercial practice.

Surface vibration at either low or high frequency has been used primarily to improve single-phase heat transfer.

Fluid vibration is the more practical type of vibration enhancement due to the mass of most heat exchangers. The vibrations range from pulsations of about 1 Hz to ultrasound. Single-phase fluids are of primary concern.

Electrostatic fields (d.c. or a.c.) are applied in many different ways to dielectric fluids. Generally speaking, electrostatic fields can be directed to cause greater bulk mixing of fluid in the vicinity of the heat transfer surface.

Injection is utilized by supplying gas through a porous heat-transfer surface to a flow of liquid or by injecting the same liquid upstream of the heat transfer section. The injected gas augments single-phase flow. Surface degassing of liquids may produce similar effects.

Suction involves vapor removal, in nucleate or film boiling, or fluid withdrawal, in single-phase flow, through a porous heated surface.

Jet Impingement forces a single-phase fluid normally or obliquely toward the surface. Single or multiple jets may be used and boiling is possible with liquids.

Two or more of the above techniques may be used simultaneously to produce an enhancement that is larger than either of the techniques operating separately. This is termed compound enhancement.

Difficulties in classifying some techniques are acknowledged. For instance, it is somewhat arbitrary as to whether certain of the new structured boiling surfaces are considered treated surfaces, rough surfaces, or extended surfaces. They may appear to have only a slight surface roughness, yet they may be very rough internally with much extra surface area. Another example is in the important area of fouling of enhanced surfaces. Papers on this subject are included with augmentation of mass transfer; however, the goal is obviously not to increase the fouling rate! It is recommended that these and other classification problems be addressed in future extensions of this data base.

It should be emphasized that one of the motivations for studying enhanced heat transfer is to assess the effect of an inherent condition on heat transfer. Some practical examples include roughness produced by standard manufacturing, degassing of liquids with high gas content, surface vibration resulting from rotating machinery or flow oscillations, fluid vibration resulting from pumping pulsations, and electric fields present in electrical equipment.

CITATION COLLECTION

Collection of this literature began more than 20 years ago as a project of the MIT Heat Transfer Laboratory [1]. The computer-based extension of the bibliography began in 1974, under the collaborative support of organizations sponsoring research on enhanced heat transfer

in the ISU Heat Transfer Laboratory. Various versions of the bibliography have been published, e.g., a series in Previews of Heat and Mass Transfer [2] which is based on the file as it existed in January 1978 (1510 citations, including patents).

Since the beginning of 1978, an intensive search of the world literature has been carried out under DOE sponsorship. The first bibliographic report, containing 1967 citations, excluding patents, appeared in May 1979 [3]. The present compilation represents the papers and reports in the computer file as of November 1983, of which over 95% of the references are on hand as full size copies. (Exceptions are denoted NHC [no hard copy].)

Patents are not included in this report, since a separate bibliographic report includes this important source of information on heat transfer augmentation [4]. An updated patent report will be issued concurrently with the present report.

Some comments are in order regarding the cataloging procedure. Several topics are not thoroughly referenced for a variety of reasons. Under treated surfaces, only a few papers are given on the theory of dropwise condensation, since the emphasis is on promoters. The traditional area of use of extended surfaces in single-phase natural convection is not emphasized. Also, the primary interest is in extended surfaces that are enhanced. The category of surface tension devices does not include the vast literature on heat pipes. Additives for gases include fluidized beds; however, attention is directed toward augmentation of gas-to-wall heat transfer by the particles rather than to improvement of gas-to-particle heat transfer. Literature which is

"supporting," e.g., details of the flow over a protuberance or pressure drop in a rough tube without accompanying heat transfer area, is not included in the literature file.

There is a delay in logging in new literature, as is conspicuous in the case of the 1983 tally in Fig. 1. This delay ranges from months to years, depending on the publication medium and the efficiency of the search.

The report of a study often is given multiple exposure, e.g., in a dissertation, laboratory or government report, meeting preprint, and archival journal publication. The present strategy is to track the publications and include only the latest version of a communication rather than separately citing the original thesis, report, or meeting paper. When a foreign work appears in English translation journal, such as Heat Transfer - Soviet Research, Thermal Engineering, or Heat Transfer - Japanese Research, only that citation is recorded. It is noted, however, that multiple translations do exist; in such cases the duplications are included.

By its expanded coverage, Heat Transfer and Fluid Flow Digest has been helpful in locating papers not contained in the major journals or presented at the main international conferences. Even so, it is estimated that the HTFS master file contains only about 20% of the citations on "enhancement" given in the present report.

Another useful source, particularly for foreign literature, has been Previews in Heat and Mass Transfer. When the citations are actually previews, the journals must be obtained to get the full citation and to verify the classification. In some cases there may be considerable delays before the journals are available in the library.

Perhaps the longest delays are associated with some major national conferences such as the quadrennial Soviet All Union Heat and Mass Transfer Conferences. English titles and brief abstracts are provided, but it may be several years before the actual papers appear in the usual Soviet journals or translation journals. On the subject of the Soviet literature, it should be noted that differences in spelling are possible due to variances in English transliterations. This should be kept in mind when doing author searches.

As a final comment on the foreign literature, it should be noted that the Chinese are becoming very active in heat transfer augmentation. Many papers are prepared; however, their journal system is not yet well developed, and because the publications are often done in house, distribution is limited. There are no translation journals. As a consequence, the Chinese publications cited in this report primarily have been obtained informally through personal contact.

Citations have been verified with the exception of those few papers not on hand. It would be appreciated if errors and additions could be brought to the authors' attention.

ORGANIZATION OF THE LISTING

The literature is organized according to the following coding:

- 00 Surveys
- 01 Treated Surfaces
- 02 Rough Surfaces
- 03 Extended Surfaces
- 04 Displaced Enhancement Devices
- 05 Swirl Flow Devices
- 16 Coiled Tubes
- 06 Surface Tension Devices
- 07 Additives for Liquids
- 08 Additives for Gases
- 09 Mechanical Aids
- 10 Surface Vibration
- 11 Fluid Vibration
- 12 Electric or Magnetic Fields
- 13 Injection or Suction
- 17 Jet Impingement
- 14 Compound Enhancement
- 15 Performance Evaluation

Each citation includes the following information:

Author(s)

Title

Publication (or source) and date

Several key words describing the work

Availability (NHC = no hard copy on hand)

The English translations of foreign language titles are provided except for French and German works. The key words include reference number, year of publication, journal, technique, and mode of heat transfer.

The modes of heat transfer are coded as follows (mass transfer is included for completeness):

- 1 Single-Phase Natural Convection
- 2 Single-Phase Forced Convection
- 3 Pool Boiling
- 4 Forced-Convection Boiling
- 5 Condensation
- 6 Mass Transfer

Occasional difficulty arises when multiple techniques and modes are considered in a single paper, as not every mode may be considered for all the techniques. Since there was no convenient way to couple the mode and technique keywords, many of the ambiguities are left unresolved.

Reference numbers are formed according to technique (first two digits), mode (third digit), and number in that category (last three digits). Citations are set up on a minicomputer, recorded on a disc, and transferred to a mainframe computer that exercises the information retrieval program.

The working literature citations are stored on a disc in the mainframe computer. A standby magnetic tape of these citations is also maintained. The data requested are retrieved using a data base management program developed by the Iowa State Computation Center and adapted to this application [5]. Retrieval is accomplished by specifying a subset of the entire set of stored citations.

This can be done by author, publication, date, other key words, or a combination thereof.

The literature is cataloged according to augmentation technique and mode of heat transfer, and the citations are listed here in alphabetical order within each category. Table 1 summarizes the number of citations in each category.

Allowing for duplicate listing of those studies considering several techniques or modes, the total number of publications is 3,045. This number includes 135 surveys of various techniques and 86 papers on performance evaluation.

Table 1. Classification of augmentation techniques.

	Single-Phase Natural Convection	Single-Phase Forced Convection	Pool Boiling	Forced-Convection Boiling	Condensation	Mass Transfer
Passive Techniques (No External Power Required)						
Treated Surfaces	--	--	149	17	53	--
Rough Surfaces	7	418	42	65	65	29
Extended Surfaces	23	416	75	53	175	33
Displaced Enhancement Devices	--	59	4	17	6	15
Swirl Flow Devices	--	140	--	83	17	10
Coiled Tubes	--	142	--	50	6	9
Surface Tension Devices	--	--	12	1	--	--
Additives for Liquids	3	22	61	37	--	6
Additives for Gases	--	211	--	--	5	--
Active Techniques (External Power Required)						
Mechanical Aids	16	60	30	7	23	18
Surface Vibration	52	30	11	2	9	11
Fluid Vibration	44	127	15	5	2	39
Electric or Magnetic Fields	50	53	37	10	22	22
Injection or Suction	6	25	7	1	6	2
Jet Impingement	--	17	2	1	--	2
Compound Enhancement (Two or More Techniques)	2	50	4	4	4	2
-- Not applicable.						

CONCLUDING REMARKS

A major effort is necessary to prepare an organized literature data base such as this report. Because the rate of literature accumulation is increasing in all areas of science and engineering, it is becoming more difficult to find sponsorship for the considerable expense of data base development. Instead, attention is turning to on-line searching of bibliographic data bases. At present, however, the literature on heat transfer augmentation is so scattered and the keywording so imprecise that on-line searches are not particularly effective.

A broad range of synonyms is necessary for augmentation techniques, which results in a large catch of irrelevant papers. Also, much current, and virtually all early, literature is not in machine-readable form. This is not surprising, since over 300 journals now publish papers related to heat transfer. The augmentation literature seems to be growing at a rate faster than that of the heat transfer literature as a whole.

Given the practical importance of augmentation technology, it would seem desirable to put the present data base into one of the major networks [6] and then continually update the citations using techniques similar to those employed here. Eventually, perhaps, **augmented heat transfer** or **enhanced heat transfer** will be such a well-established and recognized aspect of heat transfer that all pertinent papers will be easily retrievable, because the titles contain those key phrases.

REFERENCES

1. A. E. Bergles and H. A. Morton, "Survey and Evaluation of Techniques to Augment Convective Heat Transfer," Engineering Projects Laboratory Report HTL 5382-34, Massachusetts Institute of Technology, 1965.
2. A. E. Bergles and R. L. Webb, "Bibliography on Augmentation of Convective Heat and Mass Transfer - Parts 1-6," Previews of Heat and Mass Transfer, Vol. 4, No. 2, 1978, pp. 61-73; Vol. 4, No. 4, 1978, pp. 89-106; Vol. 5, No. 2, 1979, pp. 83-103; Vol. 5, No. 3, 1979, pp. 83-102; Vol. 6, No. 1, 1980, pp. 89-106; Vol. 6, No. 3, 1980, pp. 292-313.
3. A. E. Bergles, R. L. Webb, G. H. Junkhan, and M. K. Jensen, "Bibliography on Augmentation of Convective Heat and Mass Transfer," Heat Transfer Laboratory Report HTL-19, COO-4649-6, ISU-ERI-Ames-79206, Iowa State University, May 1979. Reprinted November 1980.
4. R. L. Webb, G. H. Junkhan, and A. E. Bergles, "Bibliography of U.S. Patents on Augmentation of Convective Heat and Mass Transfer," Heat Transfer Laboratory Report HTL-25, COO-4649-14, ISU-ERI-Ames-81070, Iowa State University, September 1980.
5. J. R. Jordan, R. P. Sun, and C. G. Maple, "Operation and Maintenance of the Rare-Earth Information Center's Information Retrieval System (RICIRS)," USAEC Report IS-3388, July 1974.
6. T. W. Conkling, "On-line Information Resources in Heat Transfer Engineering," Heat Transfer Engineering, Vol. 4, No. 2, 1983, pp. 54-58.

ACKNOWLEDGMENTS

This report was prepared at Iowa State University under DOE Grant No. DE-FG07-81ID12222 with the technical cognizance of Dr. W. H. Thielbahr. Ms. Carla Holbrook provided invaluable assistance in documentation and logging of new entries into the computer file. A special note of thanks is due the Iowa State University Library staff for their assistance in verifying citations and obtaining copies of papers and reports. The continuous support of the Engineering Research Institute is appreciated.

LITERATURE SURVEYS

ABBOTT;R.W. NORRIS;R.H. SPOFFORD;W.A.
 "COMPACT HEAT EXCHANGERS IN GENERAL ELECTRIC PRODUCTS -
 SIXTY YEARS OF ADVANCES IN DESIGN AND IN MANUFACTURING
 TECHNOLOGIES"
 COMPACT HEAT EXCHANGERS - HISTORY, TECHNOLOGICAL ADVANCEMENT
 AND MECHANICAL DESIGN PROBLEMS, HTD-VOL. 10, ASME,
 NEW YORK, 1980, PP. 37-55
 000097 1980 ** LITSURVEY

ANONYMOUS
 "SYMPOSIUM ON AIR-COOLED HEAT EXCHANGERS"
 AMERICAN SOCIETY OF MECHANICAL ENGINEERS, NEW YORK, 1964
 000044 1964 ASME LITSURVEY

ANONYMOUS
 "PROCEEDINGS OF CONFERENCE ON DUST COOLING, FIRST DAY"
 QUEEN MARY COLLEGE, UNIVERSITY OF LONDON, LONDON, DECEMBER
 1964
 000038 1964 ** LITSURVEY
 ADDFORGASES

ANONYMOUS
 "PROCEEDINGS OF CONFERENCE ON DUST COOLING, SECOND DAY"
 QUEEN MARY COLLEGE, UNIVERSITY OF LONDON, LONDON, DECEMBER
 1964
 000039 1964 ** LITSURVEY
 ADDFORGASES

ANONYMOUS
 "RECENT DEVELOPMENTS IN COMPACT HIGH DUTY HEAT EXCHANGERS"
 INSTITUTION OF MECHANICAL ENGINEERS, LONDON, OCTOBER, 1972
 000050 1972 ** LITSURVEY

ANONYMOUS
 "THERMAL HANDBOOK"
 ALFA LAVAL: SWEDEN, 1969
 000064 1969 ** LITSURVEY
 PERFORMANCE

BAIRD;M.H.I.
 "VIBRATIONS AND PULSATIONS - BANE OR BLESSING"
 BRITISH CHEMICAL ENGINEERING, VOL.11, 1966, PP.20-25
 000004 1966 BCE LITSURVEY
 FLUIDVIB SURFVIB

BELL;K.J.
 "HEAT TRANSFER IN HELICALLY-COILED TUBES"
 NOTES FOR EXTENSION PROGRAM, AUGMENTATION OF HEAT TRANSFER
 ENCOURAGING OR ACCOMMODATING HIGH HEAT FLUXES,
 OKLAHOMA STATE UNIVERSITY, 1974
 000055 1974 ** LITSURVEY
 SWIRLFLO

BELL;K.J.
 "HEAT EXCHANGERS WITH PHASE CHANGE"
 HEAT EXCHANGERS: THEORY AND PRACTICE, HEMISPHERE
 PUBLISHING CORPORATION, WASHINGTON, AND MC GRAW-HILL
 BOOK COMPANY, NEW YORK, 1983, PP.3-18
 000126 1983 ** LITSURVEY

BERGLES;A.E. MORTON;H.L.
 "SURVEY AND EVALUATION OF TECHNIQUES TO AUGMENT CONVECTIVE
 HEAT TRANSFER"
 MASSACHUSETTS INSTITUTE OF TECHNOLOGY ENGINEERING PROJECTS
 LABORATORY REPORT NO.5382-34, 1965
 000002 1965 MIT LITSURVEY

BERGLES;A.E.
 "SURVEY AND EVALUATION OF TECHNIQUES TO AUGMENT CONVECTIVE
 HEAT AND MASS TRANSFER"
 PROGRESS IN HEAT AND MASS TRANSFER, VOL.1, PERGAMON PRESS,
 1969, PP.331-424
 000006 1969 PHMT LITSURVEY

BERGLES;A.E.
 "SURVEY AND EVALUATION OF TECHNIQUES TO AUGMENT CONVECTIVE
 HEAT TRANSFER"
 NOTES FOR MASSACHUSETTS INSTITUTE OF TECHNOLOGY SPECIAL
 SUMMER PROGRAM, MODERN DEVELOPMENTS IN HEAT TRANSFER, JULY
 1968
 000007 1968 MIT LITSURVEY

BERGLES;A.E. WEBB;R.L.
 "BIBLIOGRAPHY ON AUGMENTATION OF CONVECTIVE HEAT AND MASS
 TRANSFER"
 AUGMENTATION OF CONVECTIVE HEAT AND MASS TRANSFER,
 AMERICAN SOCIETY OF MECHANICAL ENGINEERS, NEW YORK, 1970,
 PP.1-15
 000008 1970 ACHMT LITSURVEY

BERGLES;A.E.
 "RECENT DEVELOPMENTS IN CONVECTIVE HEAT TRANSFER
 AUGMENTATION"
 APPLIED MECHANICS REVIEWS, VOL.26, 1973, PP.675-682
 000012 1973 ** LITSURVEY

BERGLES;A.E.
 "AUGMENTATION OF BOILING HEAT TRANSFER"
 NOTES FOR MASSACHUSETTS INSTITUTE OF TECHNOLOGY SPECIAL
 SUMMER PROGRAM, TWO-PHASE GAS-LIQUID FLOW AND HEAT TRANSFER,
 1967
 000032 1967 MIT LITSURVEY
 POOLBOIL FLOBOIL

BERGLES;A.E. WEBB;R.L. EDITORS
 "AUGMENTATION OF CONVECTIVE HEAT AND MASS TRANSFER"
 AMERICAN SOCIETY OF MECHANICAL ENGINEERS, NEW YORK, 1970
 000013 1970 ACHMT LITSURVEY

BERGLES;A.E.
 "ENHANCEMENT DEVICES"
 SECTION 10D. IN ANNUAL REVIEWS OF INDUSTRIAL AND ENGINEERING
 CHEMISTRY, VOL.2, AMERICAN CHEMICAL SOCIETY, WASHINGTON
 D.C., 1974, PP.266-267, 284-285
 000014 1974 ** LITSURVEY

BERGLES;A.E. WEBB;R.L.
 "BIBLIOGRAPHY ON AUGMENTATION OF CONVECTIVE HEAT AND MASS
 TRANSFER, PART 2"
 PREVIEWS OF HEAT AND MASS TRANSFER, VOL. 4, NO.4, 1978,
 PP.89-106
 000078 1978 ** LITSURVEY

BERGLES;A.E. BLUMENKRANTZ;A.R. TABOREK;J.
 "SURVEY AND EVALUATION OF TECHNIQUES TO AUGMENT CONVECTIVE
 HEAT TRANSFER"
 HEAT TRANSFER RESEARCH INC., REPORT S-ST-1-7, MARCH 1972
 000028 1972 HTRI LITSURVEY

BERGLES;A.E. WEBB;R.L.
 "BIBLIOGRAPHY ON AUGMENTATION OF CONVECTIVE HEAT AND MASS
 TRANSFER, PART 3"
 PREVIEWS OF HEAT AND MASS TRANSFER, VOL.5, NO.2, 1979,
 PP.83-103
 000080 1979 ** LITSURVEY

BERGLES;A.E. WEBB;R.L.
 "BIBLIOGRAPHY ON AUGMENTATION OF CONVECTIVE HEAT AND MASS
 TRANSFER, PART 4"
 PREVIEWS OF HEAT AND MASS TRANSFER, VOL.5, NO.3, 1979,
 PP. 83-102
 000081 1979 ** LITSURVEY

BERGLES;A.E. WEBB;R.L.
 "BIBLIOGRAPHY ON AUGMENTATION OF CONVECTIVE HEAT AND MASS
 TRANSFER, PART 5"
 PREVIEWS OF HEAT AND MASS TRANSFER, VOL. 6, NO.1, 1980,
 PP. 89-106
 000082 1980 ** LITSURVEY

BERGLES;A.E. WEBB;R.L.
 "BIBLIOGRAPHY ON AUGMENTATION OF CONVECTIVE HEAT AND MASS
 TRANSFER, PART 6"
 PREVIEWS OF HEAT AND MASS TRANSFER, VOL.6, NO.3, 1980,
 PP. 292-313
 000083 1980 ** LITSURVEY
 1NATCONV

BERGLES;A.E. WEBB;R.L.
 "BIBLIOGRAPHY ON AUGMENTATION OF CONVECTIVE HEAT AND MASS
 TRANSFER, PART 1"
 PREVIEWS OF HEAT AND MASS TRANSFER, VOL.4, NO.2, 1978
 PP. 61-73

000084	1978	**	LITSURVEY	1977			
BERGLES;A.E.				000089	1977	HTL	LITSURVEY
"HEAT TRANSFER CHARACTERISTICS OF TURBOTEC TUBING"				BERGLES;A.E.			
HEAT TRANSFER LABORATORY REPORT NO. HTL-24,				"SURVEY OF HEAT TRANSFER CHARACTERISTICS OF DEEP SPIRALLY			
ISU-ERI-AMES-81018, IOWA STATE UNIVERSITY, 1980				FLUTED TUBING"			
000085 1980 ISU LITSURVEY				ADVANCES IN ENHANCED HEAT TRANSFER-1981, HTD VOL. 18,			
ROUGH SURF EXTENDED SURF 1NATCONV 1FORCECONV				AMERICAN SOCIETY OF MECHANICAL ENGINEERS, NEW YORK, 1981,			
CONDENSATION MASSTRAN				PP. 21-33			
				000094 1981 ** LITSURVEY			
BERGLES;A.E. WEBB;R.L. JUNKHAN;G.H.				BERGLES;A.E. WEBB;R.L. JUNKHAN;G.H.			
JENSEN;M.K.				"ENERGY CONSERVATION VIA HEAT TRANSFER ENHANCEMENT"			
"BIBLIOGRAPHY ON AUGMENTATION OF CONVECTIVE HEAT AND MASS				ENERGY, VOL. 4; 1979, PP. 193-200			
TRANSFER"				000088 1979 ** LITSURVEY			
HEAT TRANSFER LABORATORY REPORT NO. HTL-19,				BERGLES;A.E.			
ISU-ERI-AMES-79206, COO-4649-6, IOWA STATE UNIVERSITY, 1979.				"INDUSTRIAL APPLICATIONS OF HEAT TRANSFER AUGMENTATION"			
000086 1979 ISU LITSURVEY				TWO-PHASE FLOW AND HEAT TRANSFER IN THE POWER AND PROCESS			
BERGLES;A.E.				INDUSTRIES. HEMISPHERE PUBLISHING CORPORATION, WASHINGTON,			
"RESEARCH WORKSHOP ON AUGMENTATION OF CONVECTIVE HEAT				AND MC GRAW-HILL BOOK COMPANY, NEW YORK, 1981, PP.609-620			
TRANSFER"				000103 1981 ** LITSURVEY			
HEAT TRANSFER LABORATORY REPORT HTL-8, ISU-ERI-AMES-76026,				BERGLES;A.E.			
IOWA STATE UNIVERSITY, APRIL, 1975				"HEAT TRANSFER AUGMENTATION"			
000051 1975 ISU LITSURVEY				TWO-PHASE FLOW AND HEAT TRANSFER IN THE POWER AND PROCESS			
BERGLES;A.E. JUNKHAN;G.H. HAGGE;J.K.				INDUSTRIES, HEMISPHERE PUBLISHING CORPORATION, WASHINGTON,			
JENSEN;M.K.				AND MC GRAW-HILL BOOK COMPANY, NEW YORK, 1981, PP.366-382			
"ADVANCED COOLING SYSTEMS FOR AGRICULTURAL AND INDUSTRIAL				000104 1981 ** LITSURVEY			
MACHINES"				BERGLES;A.E. JOSHI;S.D.			
HEAT TRANSFER LABORATORY REPORT HTL-7, ISU-ERI-AMES-75016,				"AUGMENTATION TECHNIQUES FOR LOW REYNOLDS NUMBER IN-TUBE			
IOWA STATE UNIVERSITY, 1975				FLOW"			
000052 1975 ISU LITSURVEY				LOW REYNOLDS NUMBER FLOW HEAT EXCHANGERS,			
BERGLES;A.E.				HEMISPHERE PUBLISHING CORPORATION, WASHINGTON, AND SPRINGER			
"SURVEY OF AUGMENTATION OF TWO-PHASE HEAT TRANSFER"				VERLAG, BERLIN, 1983, PP.695-720			
PREPRINTED AND PRESENTED AT ASHRAE SEMI-ANNUAL MEETING,				000115 1983 ** LITSURVEY			
DALLAS, 1976, ASHRAE TRANSACTIONS, VOL. 82, PT. 1, 1976, PP. 891-905				1FORCECONV			
000053 1976 ASHRAE LITSURVEY				BERGLES;A.E.			
POOLBOIL FLOBOIL CONDENSATION				"PRINCIPLES OF HEAT TRANSFER AUGMENTATION. I: SINGLE-			
BERGLES;A.E. JUNKHAN;G.H. HAGGE;J.K.				PHASE HEAT TRANSFER"			
JENSEN;M.K.				HEAT EXCHANGERS, THERMAL-HYDRAULIC FUNDAMENTALS AND DESIGN			
"ADVANCED COOLING SYSTEMS FOR AGRICULTURAL AND INDUSTRIAL				HEMISPHERE PUBLISHING CORPORATION, WASHINGTON, AND MC GRAW			
MACHINES"				HILL BOOK COMPANY, NEW YORK, 1981, PP.819-842			
PREPRINTED AND PRESENTED AT MISSISSIPPI VALLEY SECTION				000130 1981 ** LITSURVEY			
SPRING MEETING OF THE SOCIETY OF AUTOMOTIVE ENGINEERS,				BERGLES;A.E.			
DUBUQUE, IOWA, APRIL, 1975, SAE PAPER NO. 751183, 1976				"PRINCIPLES OF HEAT TRANSFER AUGMENTATION. II: TWO-			
000054 1975 SAE LITSURVEY				PHASE HEAT TRANSFER"			
1FORCECONV				HEAT EXCHANGERS, THERMAL-HYDRAULIC FUNDAMENTALS AND			
BERGLES;A.E. JENSEN;M.K.				DESIGN, HEMISPHERE PUBLISHING CORPORATION, WASHINGTON,			
"ENHANCED SINGLE-PHASE HEAT TRANSFER FOR OTEC SYSTEMS"				AND MC GRAW-HILL BOOK COMPANY, NEW YORK, 1981, PP.857-881			
PROCEEDINGS FOURTH ANNUAL CONFERENCE ON OCEAN THERMAL ENERGY				000131 1981 ** LITSURVEY			
CONVERSION, NEW ORLEANS, LOUISIANA, MARCH 1977,				BERGLES;A.E.			
PP. VI-41-VI-54				"APPLICATION OF HEAT TRANSFER AUGMENTATION"			
000063 1977 ** LITSURVEY				HEAT EXCHANGERS, THERMAL-HYDRAULIC FUNDAMENTALS AND			
BERGLES;A.E. BLUMENKRANTZ;A.R. MARNER;W.J.				DESIGN, HEMISPHERE PUBLISHING CORPORATION, WASHINGTON,			
TABOREK;J.				AND MC GRAW-HILL BOOK COMPANY, NEW YORK, 1981, PP.883-911			
"SURVEY AND EVALUATION OF TECHNIQUES TO AUGMENT CONVECTIVE				000132 1981 ** LITSURVEY			
HEAT TRANSFER"				BHATTACHARYA;A.			
HEAT TRANSFER RESEARCH, INC. REPORT ON CONTRACT NO. 31-109-				"HEAT TRANSFER AND PRESSURE DROP WITH ROUGH SURFACES, A			
38-4121 FOR DEPARTMENT OF ENERGY, POWER SYSTEMS DIVISION				LITERATURE SURVEY"			
OF FOSSIL ENERGY, DECEMBER 1977				AE-141, 1964			
000066 1977 ** LITSURVEY				000021 1964 ** LITSURVEY			
PERFORMANCE				ROUGH SURF 1FORCECONV			
BERGLES;A.E.				BOOTHROYD;R.G.			
"AUGMENTATION OF FORCED-CONVECTION HEAT TRANSFER"				"HEAT TRANSFER IN FLOWING GASEOUS SUSPENSIONS"			
TURBULENT FORCED CONVECTION IN CHANNELS AND BUNDLES, VOL. 2,				CHEMICAL AND PROCESS ENGINEERING, OCTOBER 1969, PP.108-111			
HEMISPHERE PUBLISHING CORPORATION, WASHINGTON AND MC GRAW-				000040 1969 CPE LITSURVEY			
HILL INTERNATIONAL BOOK COMPANY, NEW YORK, 1979, PP.				ADDFORGASES			
883-909				BOTTERILL;J.S.M.			
000087 1979 ** LITSURVEY				"FLUID-BED HEAT TRANSFER: GAS-FLUIDIZED BED BEHAVIOR AND			
1FORCECONV				INFLUENCE ON BED THERMAL PROPERTIES"			
BERGLES;A.E. JENSEN;M.K.				ACADEMIC PRESS, NEW YORK, 1975			
"ENHANCED SINGLE-PHASE HEAT TRANSFER FOR OCEAN THERMAL				000058 1975 ** LITSURVEY			
ENERGY CONVERSION SYSTEMS"				ADDFORGASES			
HEAT TRANSFER LABORATORY REPORT NO. HTL-13, ISU-ERI-AMES-							
77314, IOWA STATE UNIVERSITY, APRIL 1977, AND OAK RIDGE							
NATIONAL LABORATORY REPORT NO. ORNL/SUB-77/14216/1, APRIL							

CARNAVOS;T.C.

"SOME RECENT DEVELOPMENTS IN AUGMENTED HEAT EXCHANGE ELEMENTS"
HEAT EXCHANGERS: DESIGN AND THEORY SOURCE BOOK, SCRIPTA BOOK COMPANY, WASHINGTON, D.C. 1974, PP.441-489
000034 1972 ** LITSURVEY
ROUGH SURF FLOBOIL CONDENSATION MASSTRAN

COLLIER;J.G.

"METHODS OF IMPROVING PERFORMANCE"
NOTES FOR DARTMOUTH COLLEGE SUMMER COURSE, TWO-PHASE FLOW AND HEAT TRANSFER, 1965, 1966, 1968
000031 1965 1966 1968
LITSURVEY

COLLIER;J.G.

"CONVECTIVE BOILING AND CONDENSATION"
CHAPTER 11, MC GRAW-HILL BOOK COMPANY, MAIDENHEAD, 1972
000035 1972 MCGH LITSURVEY

COULSON;J.M.

PORTER;J.E.

"THE EFFECTS OF ELECTRIC FIELDS ON TRANSPORT PHENOMENA"
TRANSACTIONS OF THE INSTITUTION OF CHEMICAL ENGINEERS, VOL.44, 1966, PP.T388-T394
000059 1966 ** LITSURVEY
ELECTROFIELD

DEPEW;C.A.

KRAMER;T.J.

"HEAT TRANSFER TO FLOWING GAS-SOLID MIXTURES"
1973, PP.113-180
ADVANCES IN HEAT TRANSFER, VOL.9, ACADEMIC PRESS, NEW YORK
1973, PP.113-180
000027 1973 AHT LITSURVEY
ADDFORGASES 1FORCECONV

EATON;T.E.

"REFERENCES RELATING TO THE USE OF ROUGHENING SURFACES FOR THE AUGMENTATION OF FORCED CONVECTION HEAT TRANSFER"
MASSACHUSETTS INSTITUTE OF TECHNOLOGY REPORT FOR GENERAL ATOMIC COMPANY, FEBRUARY 7, 1975
000067 1975 ** LITSURVEY
ROUGH SURF

FAIR;J.R.

"PROCESS HEAT TRANSFER BY DIRECT FLUID PHASE CONTACT"
INVITED LECTURE AT 12TH NATIONAL HEAT TRANSFER CONFERENCE, TULSA, OKLAHOMA, AUGUST, 1971
000037 1971 ** LITSURVEY
ADDFORGASES ADDFORLIQUIDS

FELDMAN JR.;K.T.

WHITING;G.H.

"THE HEAT PIPE"
MECHANICAL ENGINEERING, VOL.89, NO.2, 1967, PP.30-33
000005 1967 ME LITSURVEY
SURFTENSION

FORGO;L.

"SOME EXTRA-HIGH CAPACITY HEAT EXCHANGERS OF SPECIAL DESIGN"
HEAT EXCHANGERS: DESIGN AND THEORY SOURCEBOOK, SCRIPTA BOOK COMPANY, WASHINGTON, 1974, PP.101-119
000011 1974 ** LITSURVEY

GAMBILL;W.R.

BUNDY;R.D.

"AN EVALUATION OF THE PRESENT STATUS OF SWIRL FLOW HEAT TRANSFER"
OAK RIDGE NATIONAL LABORATORY REPORT ORNL 61-461, 1961.
AMERICAN SOCIETY OF MECHANICAL ENGINEERS, PAPER NO.62-HT-42, 1962
000020 1961 1962 ORNL
ASME LITSURVEY SWIRLFLO 1FORCECONV
FLOBOIL

GOLOVANOVA;N.V.

MIGAI;V.K.

EDITORS

"MEANS OF INTENSIFYING THE HEAT TRANSFER OF STEAM GENERATING SURFACES IN THERMAL POWER GENERATORS"
PROCEEDINGS OF THE POLZUNOV BOILER-TURBINE INSTITUTE, VOL. 134, 1975
000047 1975 ** LITSURVEY
NHC

GRIFFITH;P.

"DROPWISE CONDENSATION"

HANDBOOK OF HEAT TRANSFER, MC GRAW-HILL BOOK COMPANY, NEW YORK, 1973, PP.12-34 - 12-43
000043 1973 MCGH LITSURVEY
CONDENSATION

GUHKMAN;A.A.

KIRPIKOV;V.K.

"ON INTENSIFICATION OF CONVECTIVE HEAT TRANSFER"
ABSTRACT FROM THE SIXTH ALL-UNION HEAT AND MASS TRANSFER CONFERENCE, MINSK, USSR, 1980, P. 11
000092 1980 ** LITSURVEY

HAPKE;J.

"HEAT TRANSFER IN PULSATING LAMINAR FLOW"
BRENNSTOFF-WAERME-KRAFT, VOL.26, 1974, PP.55-63
000072 1974 ** FLUIDVIB
LITSURVEY

HAWES;R.I.

POWELL;J.W.

"A REVIEW OF TECHNIQUES FOR AUGMENTING HEAT TRANSFER"
HEAT TRANSFER AND FLUID FLOW SERVICE NO.23, ATOMIC ENERGY RESEARCH ESTABLISHMENT, WINFRITH, AEEW-R752, 1971
000061 1971 HTFS LITSURVEY

HOLMES;R.E.

DEHKRODI;G.B.

"HEAT TRANSFER ENGINEERS SOLVE EVERYDAY PROBLEMS EMPIRICALLY"
PRODUCT ENGINEERING, VOL.48, NO.3, 1977, PP.38-39
000124 1977 ** LITSURVEY

HOPWOOD;P.F.

"PRESSURE DROP, HEAT TRANSFER AND FLOW PHENOMENA FOR FORCED CONVECTION BOILING IN HELICAL COILS; LITERATURE REVIEW"
ATOMIC ENERGY ESTABLISHMENT WINFRITH, AEEW-R757, 1972
000029 1972 AEEW LITSURVEY
COILED TUBE

HRYNISZAK;W.

"HEAT TRANSFER AND TEMPERATURE EFFICIENCY"
HEAT EXCHANGERS: APPLICATIONS TO GAS TURBINES, ACADEMIC PRESS INC.: NEW YORK, 1958, PP.77-86
000068 1958 ** LITSURVEY

JONES;T.B.

"ELECTROHYDRODYNAMICALLY ENHANCED HEAT TRANSFER IN LIQUIDS - A REVIEW"
ADVANCES IN HEAT TRANSFER, VOL.14, ACADEMIC PRESS, NEW YORK, 1978, PP.107-148
000073 1978 AHT LITSURVEY
ELECTROFIELD

JOSHI;S.D.

BERGLES;A.E.

"SURVEY AND EVALUATION OF PASSIVE HEAT TRANSFER AUGMENTATION TECHNIQUES FOR LAMINAR FLOW"
JOURNAL OF THERMAL ENGINEERING, VOL.1, NO.3, 1980, PP. 105-124
000107 1980 ** LITSURVEY
1FORCECONV ROUGH SURF EXTENDED SURF DISPENS DEVICE
SWIRLFLO

JUNKHAN;G.H.

BERGLES;A.E.

WEBB;R.L.

"RESEARCH WORKSHOP ON ENERGY CONSERVATION THROUGH ENHANCED HEAT TRANSFER"
HEAT TRANSFER LABORATORY REPORT NO. HTL-21,
ISU-ERI-AMES-80063, IOWA STATE UNIVERSITY, 1979
000120 1979 ISU LITSURVEY

KALININ;E.K.

DREITSER;G.A.

YARKHO;S.A.

"INTENSIFICATION OF HEAT TRANSFER IN TUBES"
MASCHINOSTROENIA, MOSCOW, 1972
000026 1972 ** LITSURVEY
ROUGH SURF 1FORCECONV

KALININ;E.K.

DREITSER;G.A.

KOSTYUK;V.V.

"MODERN PROBLEMS OF HEAT TRANSFER AUGMENTATION IN SINGLE- AND TWO-PHASE FLOWS"
STUDIES IN HEAT TRANSFER, HEMISPHERE PUBLISHING CORPORATION, WASHINGTON, 1979, PP.457-474
000113 1979 ** LITSURVEY

KAYS;W.M.

LONDON;A.L.

"COMPACT HEAT EXCHANGERS", SECOND EDITION

MC GRAW HILL BOOK COMPANY, NEW YORK, 1964
000022 1964 ** LITSURVEY
ROUGHSURF EXTENDED SURF DISPENSE DEVICE 1 FORCECONV

KERN; D.Q. KRAUS; A.D.
"EXTENDED SURFACE HEAT TRANSFER"
MC GRAW HILL BOOK COMPANY, NEW YORK, 1972
000010 1972 MCGH LITSURVEY
EXTENDED SURF

KOVATS; F.
"A VIBRACIO VEGYIPARI ALKALMAZASA I"
MAGYAR KEMIKUSOK, LAPJA, HUNGARY, 1969, PP.12-16
000041 1969 ** LITSURVEY
SURFVIB FLUIDVIB

KOVATS; F.
"A VIBRACIO VEGYIPARI ALKALMAZASA II. GYAKORIATI
ALKALMAZASOK"
MAGYAR KEMIKUSOK, LAPJA, HUNGARY, 1969, PP.88-93
000042 1969 ** LITSURVEY
SURFVIB FLUIDVIB

KULACKI; F.A.
"ELECTROHYDRODYNAMIC ENHANCEMENT OF CONVECTIVE HEAT AND MASS
TRANSFER"
ADVANCES IN TRANSPORT PROCESSES, VOL. 11, HALSTEAD PRESS,
NEW YORK, 1981, PP.103-147
000132 1981 ** LITSURVEY
ELECTROFIELD

KUO; S.C.
"HEAT TRANSFER ENHANCEMENT TECHNIQUES IN JAPAN"
UNITED TECHNOLOGIES RESEARCH CENTER, EAST HARTFORD,
CONNECTICUT REPORT NO. R83-955740, FEBRUARY 1983
000121 1983 ** LITSURVEY

LAZAREK; G.M.
AUGMENTATION OF TWO-PHASE HEAT TRANSFER AND PRESSURE DROP OF
REFRIGERANTS IN HORIZONTAL TUBES"
INTERNATIONAL JOURNAL OF REFRIGERATION, VOL.3, NO.5, 1980,
PP.261-272
000090 1980 IJHMT LITSURVEY
CONDENSATION

MARTO; P.J.
"HEAT TRANSFER AND TWO-PHASE FLOW DURING SHELL-SIDE
CONDENSATION"
ASME-JSME THERMAL ENGINEERING JOINT CONFERENCE PROCEEDINGS,
HONOLULU, HAWAII, MARCH 1983, VOL.2, PP.561-591
000116 1983 ** LITSURVEY
CONDENSATION

MC KECHNIE; J.
"THE HEAT PIPE: A LIST OF PERTINENT REFERENCES"
NATIONAL ENGINEERING LABORATORY REPORT BIB-2-72, 1972
000015 1972 NEL LITSURVEY

METZLER; C.V.
"EFFECT OF ADDITIVES ON BOILING HEAT TRANSFER AND CRITICAL
HEAT FLUX"
NORTH AMERICAN AVIATION REPORT NAA-SR MEMO-6946, DECEMBER
1961
000030 1961 ** LITSURVEY
ADDFORLIQUIDS POOLBOIL

MIL'MAN; O.O. SHKLOVER; G.G.
"ON WAYS TO INCREASE THE HEAT TRANSFER COEFFICIENTS IN
CONDENSATION OF STEAM"
HEAT TRANSFER - SOVIET RESEARCH, VOL.12, NO.3, 1980, PP.
131-134
000098 1980 HTSK LITSURVEY
CONDENSATION

MILLER; D. HOLTZ; R.E. KOOPMAN; N.
MARCINIAK; T.J. MAC FARLANE; D.R.
"PLASTIC HEAT EXCHANGERS: A STATE-OF-THE-ART REVIEW"
ARGONNE NATIONAL LABORATORY, PAPER NO. ANL-79-12, 1979
000079 1979 ANL LITSURVEY

MOORE; F.K.
"DRY COOLING TOWERS"

ADVANCES IN HEAT TRANSFER, VOL.12, ACADEMIC PRESS, NEW
YORK, 1976, PP.1-75
000070 1976 AHT LITSURVEY
EXTENDED SURF 1 FORCECONV

MORI; Y. NAKAYAMA; W.
"RECENT ADVANCES IN COMPACT HEAT EXCHANGERS IN JAPAN"
COMPACT HEAT EXCHANGERS-HISTORY, TECHNOLOGICAL ADVANCEMENT
AND MECHANICAL DESIGN PROBLEMS, HTD-VOL. 10, ASME,
NEW YORK, 1980, PP. 5-16
000095 1980 ** LITSURVEY

MORRIS; W.D.
"HEAT TRANSFER AND FLUID FLOW IN ROTATING COOLANT CHANNELS"
RESEARCH STUDIES PRESS
000109 1981 ** LITSURVEY
MECHAID

MORTON; H.L.
"SURVEY AND EVALUATION OF METHODS TO AUGMENT CONVECTIVE HEAT
TRANSFER"
M.S. THESIS IN MECHANICAL ENGINEERING, MASSACHUSETTS INSTI-
TUTE OF TECHNOLOGY, 1964
000001 1964 MIT LITSURVEY

MURRAY; I.
"NEW DESIGNS OF HEAT EXCHANGE EQUIPMENT"
PROCEEDINGS ENGINEERING, HEAT TRANSFER SURVEY, 1974, PP.12-15
000060 1974 ** LITSURVEY
1 FORCECONV

MURRAY; I.
"NEW DESIGNS OF INDUSTRIAL HEAT EXCHANGERS"
CHEMICAL AND PROCESS ENGINEERING, VOL.53, 1972, PP.22-25
000065 1977 CPE LITSURVEY

NAKAYAMA; W.
"ENHANCEMENT OF HEAT TRANSFER"
HEAT TRANSFER 1982, VOL.1, HEMISPHERE PUBLISHING COMPANY,
WASHINGTON, D.C., 1982, PP.223-240
000110 1982 VIIHTC LITSURVEY
1 FORCECONV POOLBOIL FLOBOIL CONDENSATION

NEILL; D.T.
"GEOTHERMAL SHELL AND TUBE HEAT EXCHANGER AUGMENTATION"
IDAHO NATIONAL ENGINEERING LABORATORY REPORT NO. TREE-1023,
1976
000076 1976 ** LITSURVEY
NHC

NORRIS; R.H.
"FORCED CONVECTION SURFACE-ROUGHNESS EFFECTS IN DUCTS",
GENERAL ELECTRIC COMPANY HEAT TRANSFER AND FLUID FLOW DATA
BOOK, SECTION G-503.7, JANUARY 1971
000016 1971 ** ROUGHSURF
1 FORCECONV LITSURVEY

PARK; J.S. TAYLOR; M.F. MC ELIGOT; D.M.
"CONVECTIVE HEAT TRANSFER FOR SHIP PROPULSION"
ENGINEERING EXPERIMENT STATION REPORT, THE UNIVERSITY
OF ARIZONA, APRIL 1982
000112 1982 ** LITSURVEY
SURFVID

PERLFEFER; R. RUSSELL; S. LILBLEIN; S.
"ANALYSIS AND CORRELATION OF HEAT-TRANSFER COEFFICIENT
AND FRICTION FACTOR DATA FOR DILUTE GAS-SOLID SUSPENSIONS"
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION TECHNICAL NOTE
D-3603, 1966
000024 1966 NASATN LITSURVEY
ADDFORGASES 1 FORCECONV

POPPENDIEK; H.F. GAMBILL; W.R.
"HELICAL, FORCED-FLOW HEAT TRANSFER AND FLUID DYNAMICS IN
SINGLE AND TWO-PHASE SYSTEMS"
PROCEEDINGS OF THE THIRD INTERNATIONAL CONFERENCE ON THE
PEACEFUL USES OF ATOMIC ENERGY, UNITED NATIONS, NEW YORK,
1965, PP.274-282
000023 1965 ** LITSURVEY
SWIRLFLO 1 FORCECONV FLOBOIL

POPPENDIEK; H.F. SABIN; C.M.

"TECHNOLOGY OF FORCED FLOW AND ONCE-THROUGH BOILING: A SURVEY"
N75-22630/BSL, REPORT NO. NASA-SP-5102, 1975
000049 1975 ** LITSURVEY
FLOBOIL

RAO;M.A.
"A SURVEY STUDY ON THE EFFECTS OF VIBRATIONS, SOUND FIELDS
AND PULSATIONS ON HEAT AND MASS TRANSFER FROM FLAT PLATES,
CYLINDERS AND DUCTS"
AEROSPACE RESEARCH LABORATORY REPORT ARL 65-217, 1965
000003 1965 ** LITSURVEY
SURFVIB FLUIDVIB

RAZGAITIS;R. HOLMAN;J.P.
"A SURVEY OF HEAT TRANSFER IN CONFINED SWIRL FLOWS"
HEAT AND MASS TRANSFER PROCESSES, VOL.2, ACADEMIC PRESS,
1976, PP.831-866
000045 1976 ** SWIRLFLO
LITSURVEY

REAY;D.A.
"HEAT PIPE HEAT EXCHANGERS- CURRENT STATUS AND DEVELOPMENTAL
POTENTIAL"
THE HEATING AND VENTILATING ENGINEER, VOL.53, NO.615,
DECEMBER 1978/JANUARY 1979, PP.8-14
000077 1978 ** LITSURVEY
NHC

REAY;D.A.
"A REVIEW OF GAS-GAS HEAT RECOVERY SYSTEMS"
HEAT RECOVERY SYSTEMS, VOL.1, 1980, PP.3-41
000111 1980 ** LITSURVEY

REINEKE;H.H.
"HEAT EXCHANGERS"
CHEMIE-INGENIEUR-TECHNIK, VOL.51, 1979, PP.993-996
000108 1979 ** LITSURVEY

REMY;F.N. MARTIN;M. LEBOUCHE;M.
"CONTRIBUTION TO THE IMPROVEMENT OF HEAT TRANSFER AROUND A
CYLINDER"
INTERNATIONAL CHEMICAL ENGINEERING, VOL.18, NO.4, 1978,
PP.595-601
000122 1978 ICE LITSURVEY
1FORCECONV

RICHARDSON;P.D.
"EFFECTS OF SOUND AND VIBRATIONS ON HEAT TRANSFER"
APPLIED MECHANICS REVIEWS, VOL.20, 1967, PP.201-217
000017 1967 AMR LITSURVEY
SURFVIB FLUIDVIB 1NATCONV 1FORCECONV

ROTHFUS;R.R. LAVI;G.H.
"VERTICAL FALLING FILM HEAT TRANSFER: A LITERATURE SURVEY"
PROCEEDINGS OF THE FIFTH OCEAN THERMAL ENERGY CONVERSION
CONFERENCE, VOL.3, 1978, PP.VI-90-VI-110
000069 1978 OTEC LITSURVEY
FLOBOIL

ROTHFUS;R.R. NEUMAN;C.P. LAVI;G.H.
FARTHING, JR.;G.A. PRENGAMAN;R.
"LITERATURE SURVEY ON VERTICAL TUBE EVAPORATORS (VTE'S) PART
I BIOGRAPHICAL ENTRIES"
CARNEGIE-MELLON UNIVERSITY REPORT NO. C00-2641-5, JULY 1977
000099 1977 ** LITSURVEY

SABERSKY;R.H.
"RAPPORT ON FORCED CONVECTION 6 (PROMOTERS, ROUGH SURFACES,
WITH INJECTION)"
HEAT TRANSFER 1974, SCRIPTA BOOK COMPANY, VOL.6, 1974,
PP.180-184
000123 1974 VIHTC LITSURVEY
ROUGH SURF EXTENDED SURF DISPENH DEVICE INJECTORSUCT
1FORCECONV

SAXENA;S.C. GREVAL;N.S. GABOR;J.D.
ZABRODSKY;S.S. GALERSHTEIN;D.M.
"HEAT TRANSFER BETWEEN A GAS FLUIDIZED BED AND IMMersed
TUBES"
ADVANCES IN HEAT TRANSFER, ACADEMIC PRESS, NEW YORK, VOL.14,
1978, PP.149-247

000074 1978 AHT LITSURVEY
ADDFORGASES 1FORCECONV

SHAH;R.K. LONDON;A.L.
"LAMINAR FLOW FORCED CONVECTION HEAT TRANSFER AND FLOW
FRICTION IN STRAIGHT AND CURVED DUCTS - A SUMMARY OF ANALY-
TICAL SOLUTIONS"
DEPARTMENT OF MECHANICAL ENGINEERING, STANFORD UNIVERSITY,
TECHNICAL REPORT NO. 75, AD-736260, NOVEMBER 1971
162060 1971 ** COILED TUBE
1FORCECONV EXTENDED SURF LITSURVEY

SHAH;R.K. LONDON;A.L.
"LAMINAR FORCED CONVECTION IN DUCTS"
ADVANCES IN HEAT TRANSFER, ACADEMIC PRESS, NEW YORK, 1978
PP.366-384
000071 1978 ** LITSURVEY
EXTENDED SURF SWIRLFLO 1FORCECONV

SHAH;R.K.
"RESEARCH NEEDS IN LOW REYNOLDS NUMBER FLOW HEAT EXCHANGERS"
HEAT TRANSFER ENGINEERING, VOL.3, NO.2, 1981, PP.49-61
000105 1981 HTE LITSURVEY

SHAH;R.K.
"COMPACT HEAT EXCHANGER SURFACE SELECTION, OPTIMIZATION,
AND COMPUTER-AIDED THERMAL DESIGN"
LOW REYNOLDS NUMBER FLOW HEAT EXCHANGERS, HEMISPHERE
PUBLISHING CORPORATION, WASHINGTON, 1983, PP.845-874
000114 1983 ** LITSURVEY

SHAH;R.K. WEBB;R.L.
"COMPACT AND ENHANCED HEAT EXCHANGERS"
HEAT EXCHANGERS: THEORY AND PRACTICE, HEMISPHERE
PUBLISHING CORPORATION, WASHINGTON, AND MC GRAW-HILL
BOOK COMPANY, NEW YORK, 1983, PP.425-468
000127 1983 ** LITSURVEY
EXTENDED SURF

SHAH;R.K.
"CLASSIFICATION OF HEAT EXCHANGERS"
HEAT EXCHANGERS, THERMAL-HYDRAULIC FUNDAMENTALS AND
DESIGN, HEMISPHERE PUBLISHING CORPORATION, WASHINGTON,
AND MC GRAW-HILL BOOK COMPANY, NEW YORK, 1981, PP.9-46
000128 1981 ** LITSURVEY

SHAH;R.K.
"COMPACT HEAT EXCHANGERS"
HEAT EXCHANGERS, THERMAL-HYDRAULIC FUNDAMENTALS AND
DESIGN, HEMISPHERE PUBLISHING CORPORATION, WASHINGTON,
AND MC GRAW-HILL BOOK COMPANY, NEW YORK, 1981, PP.111-151
000129 1981 ** LITSURVEY

SHERWOOD;T.K. PIGFORD;R.L. WILKIE;C.R.
"MASS TRANSFER"
MC GRAW HILL BOOK COMPANY, NEW YORK, 1975, PP.238-245
000057 1975 ** LITSURVEY
MASSTRAN SURFACE VIB MECHAID DISPENH DEVICE

SKVORTSOV;S.A.
"SEMINAR ON HEAT PHYSICS"
SOVIET ATOMIC ENERGY, VOL.30, 1974, PP.667-668
000056 1974 ** LITSURVEY
FLOBOIL

SOU;S.L.
"FLUID DYNAMICS OF MULTIPHASE SYSTEMS"
BLAISDELL PUBLISHING COMPANY, WALTHAM, MASSACHUSETTS, 1967
000025 1967 BPC LITSURVEY
ADDFORGASES 1FORCECONV

TANASAWA;I.
"HIGH-PERFORMANCE SURFACES FOR NON-BOILING HEAT TRANSFER"
HEAT TRANSFER IN ENERGY PROBLEMS, PROCEEDINGS OF THE JAPAN-
UNITED STATES JOINT SEMINAR, TOKYO, JAPAN, SEPTEMBER 1980,
HEMISPHERE PUBLISHING CORPORATION, WASHINGTON, 1982, PP.
101-108
000101 1982 ** LITSURVEY
1NATCONV 1FORCECONV CONDENSATION

THIELBAHR;W. PERLSWEIG;M.
"ORIGIN AND STATUS OF DOE HEAT EXCHANGER TECHNOLOGY PROGRAM"

TO IMPROVE ENERGY CONVERSION EFFICIENCY"
SOCIETY OF AUTOMOTIVE ENGINEERS, PAPER NO.790250, 1979
000075 1979 SAE LITSURVEY

THOMAS;D.G.
"PROSPECTS FOR FURTHER IMPROVEMENTS IN ENHANCED HEAT
TRANSFER SURFACES"
DESALINATION, VOL.12, 1973, PP.189-215
000062 1973 ** LITSURVEY
POOLBOIL CONDENSATION

UHL;V.W.
"MECHANICALLY AIDED HEAT TRANSFER TO VISCOUS MATERIALS"
AUGMENTATION OF CONVECTIVE HEAT AND MASS TRANSFER,
AMERICAN SOCIETY OF MECHANICAL ENGINEERS, NEW YORK, 1970,
PP.109-117
000018 1970 ACHMT LITSURVEY
MECHAID 1NATCONV

VELKOFF;H.R. KULACKI;F.A.
"ELECTROSTATIC COOLING"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.77-DE-36,
1977
000048 1977 ASME LITSURVEY
ELECTROFIELD

WALKER;V. WILKIE;D.
"THE WIDER APPLICATION OF ROUGHENED HEAT TRANSFER SURFACES
AS DEVELOPED FOR ADVANCED GAS-COOLED REACTORS"
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS,
VOL.181,PART 31,1966-67,PP.190-197
000046 1966 PIME LITSURVEY
ROUGHSURF EXTENDED SURF 1FORCECONV

WEBB;R.L.
"SPECIAL SURFACE GEOMETRIES FOR HEAT TRANSFER AUGMENTATION"
DEVELOPMENTS IN HEAT EXCHANGER TECHNOLOGY-1, APPLIED
SCIENCE PUBLISHERS, BARKING, ESSEX, ENGLAND, 1981,
PP. 179-215
000091 1981 ** LITSURVEY

WEBB;R.L.
"AIR-SIDE HEAT TRANSFER IN FINNED TUBE HEAT EXCHANGERS"
HEAT TRANSFER ENGINEERING, VOL. 1, NO. 3, 1980, PP. 33-49
000093 1981 HTE LITSURVEY
1FORCECONV

WEBB;R.L.
"HIGH PERFORMANCE HEAT TRANSFER SURFACES FOR BOILING AND
CONDENSATION"
HEAT TRANSFER IN ENERGY PROBLEMS, PROCEEDINGS OF THE JAPAN-
UNITED STATES JOINT SEMINAR, TOKYO, JAPAN, SEPTEMBER 1980,
HEMISPHERE PUBLISHING CORPORATION, WASHINGTON, 1982, PP.
127-132
000100 1982 ** LITSURVEY
POOLBOIL CONDENSATION

WEBB;R.L.
"THE USE OF ENHANCED SURFACE GEOMETRIES IN CONDENSERS: AN
OVERVIEW"
POWER CONDENSER HEAT TRANSFER TECHNOLOGY, HEMISPHERE
PUBLISHING CORPORATION, 1981, PP.287-324
000106 1981 ** LITSURVEY
CONDENSATION

WEBB;R.L. BERGLES;A.E.
"HEAT TRANSFER ENHANCEMENT: SECOND GENERATION TECHNOLOGY"
MECHANICAL ENGINEERING, VOL.105, NO.6, 1983, PP.60-67
000117 1983 ME LITSURVEY

WEBB;R.L.

"THE EVOLUTION OF ENHANCED SURFACE GEOMETRIES FOR NUCLEATE
BOILING"
HEAT TRANSFER ENGINEERING, VOL.2, NOS.3-4, 1981, PP.46-69
000118 1981 HTE LITSURVEY
TREATSURF ROUGHSURF POOLBOIL

WEBB;R.L. JUNKHAN;G.H. BERGLES;A.E.
"BIBLIOGRAPHY OF U.S. PATENTS ON AUGMENTATION OF CONVEC-
TIVE HEAT AND MASS TRANSFER"
HEAT TRANSFER LABORATORY REPORT NO. HTL-25,
ISU-ERI-AMES-81070, IOWA STATE UNIVERSITY, 1980
000119 1980 ISU LITSURVEY

WESTWATER;J.W.
"DEVELOPMENT OF EXTENDED SURFACES FOR USE IN BOILING
LIQUIDS"
AMERICAN INSTITUTE OF CHEMICAL ENGINEERS SYMPOSIUM SERIES,
VOL.69, NO.131, 1973, PP.1-9
000033 1973 AICHESS LITSURVEY
EXTENDED SURF POOLBOIL

WILLIAMS;A.G. NADAPURKAR;S.S. HOLLAND;A.F.
"A REVIEW OF METHODS FOR ENHANCING HEAT TRANSFER RATES
IN SURFACE CONDENSERS"
THE CHEMICAL ENGINEER, NO.223, NOVEMBER 1968, PP.367-373
000036 1968 TCE LITSURVEY
CONDENSATION

WILSON;C.R.
"MODERN BOILER ECONOMISERS--DEVELOPMENT AND APPLICATIONS"
JOURNAL OF HEAT RECOVERY SYSTEMS, VOL.2, NO.2, 1982, PP.
209-225
000125 1982 ** LITSURVEY
EXTENDED SURF 1FORCECONV

WINTER;E.R.F. BARSCH;W.O.
"THE HEAT PIPE"
ADVANCES IN HEAT TRANSFER, VOL.7, ACADEMIC PRESS, NEW YORK,
1971, PP.219-320G
000009 1971 AHT LITSURVEY
SURFTENSION

YANG;W.-J.
"HIGH-PERFORMANCE HEAT TRANSFER SURFACES--SINGLE PHASE
FLOWS"
HEAT TRANSFER IN ENERGY PROBLEMS, PROCEEDINGS OF THE JAPAN-
UNITED STATES JOINT SEMINAR, TOKYO, JAPAN, SEPTEMBER 1980,
HEMISPHERE PUBLISHING CORPORATION, WASHINGTON, 1982, PP.
109-117
000102 1982 ** LITSURVEY
1FORCECONV

ZABRODSKY;S.S. ANTONISHIN;N.V. PARNAS;A.L.
"ON FLUIDIZED BED-TO-SURFACE HEAT TRANSFER"
CANADIAN JOURNAL OF CHEMICAL ENGINEERING, VOL. 54, 1976,
PP. 52-58
002114 1976 CJCE ADDFORGASES
1FORCECONV LITSURVEY

ZENZ;F.A. UHMER;D.E.
"FLUIDIZATION AND FLUID-PARTICLE SYSTEMS"
REINHOLD PUBLISHING CORPORATION, NEW YORK, 1960
000019 1960 ** LITSURVEY
ADDFORGASES 1FORCECONV NHC

ZUKAUSKAS;A.A. ULINSKAS;R.V.
"DEVELOPMENTS IN THE COMPACT HEAT EXCHANGER FIELD"
COMPACT HEAT EXCHANGERS-HISTORY, TECHNOLOGICAL ADVANCEMENT
AND MECHANICAL DESIGN PROBLEMS, HTD-VOL. 10, ASME,
NEW YORK, 1980, PP. 29-36
000096 1980 ** LITSURVEY

TREATED SURFACES — POOL BOILING

- AFANAS'YEV;B.A. ZRODNIKOV;V.V. KOKA;A.L.
SMIRNOV;T.F. PIMENOV;A.K.
"BOILING HEAT TRANSFER IN SLOTS, CAPILLARY AND IN CAPILLARY
AND IN CAPILLARY-POROUS (WICK) STRUCTURES"
HEAT TRANSFER-SOVIET RESEARCH, VOL. 12, NO. 2, 1980,
PP. 70-78
013096 1980 HTSR TREATSURF
POOLBOIL SURFTENSION
- ALESHIN;A.N. KUZMA-KICHTA;Y.A. MOSKVIN;V.D.
SOROKIN;D.N.
"STUDY OF HEAT TRANSFER IN VAPOR GENERATION ON A SURFACE
WITH POROUS COATING"
TEPLOFIZIKA VYSOKIKH TEMPERATUR, VOL.18, 1980, PP.1098-1101
013125 1980 ** TREATSURF
POOLBOIL
- ANONYMOUS
"POROUS HEAT-TRANSFER SURFACE BOILS LIQUIDS FOUR TIMES
FASTER"
PRODUCT ENGINEERING, MARCH 30, 1970, P.51
013028 1970 PE TREATSURF
POOLBOIL
- ANONYMOUS
"NEW HEAT EXCHANGER TUBES MAKE THEIR COMMERCIAL DEBUT"
CHEMICAL ENGINEERING, MARCH, 1970, PP.60-62
013070 1970 ** TREATSURF
POOLBOIL
- ANONYMOUS;
"FASTER TRANSFER"
MECHANICAL ENGINEERING, VOL.7, NO.10, 1965, P.60
013014 1965 ME TREATSURF
POOLBOIL
- ANONYMOUS;
"HEAT TRANSFER CAPABILITY"
MECHANICAL ENGINEERING, VOL.89, NO.7, 1967, P.55
013019 1967 ME TREATSURF
POOLBOIL
- ANTONELLI;R. CHESNOY;A.B.
"APPLICATION OF ADVANCED HEAT-TRANSFER TECHNOLOGY TO THE
CHEMICAL PROCESS INDUSTRY AND CONSEQUENTIAL ENERGY SAVINGS"
PRESENTED AT THE VI CONVENCIÓN NACIONAL DE LA INDUSTRIA
QUIMICA, MADRID, SPAIN, DECEMBER 1976
013100 1976 ** TREATSURF
POOLBOIL EXTENDED SURF CONDENSATION
- ANTONELLI;R. O'NEILL;P.S.
"DESIGN AND APPLICATION CONSIDERATIONS FOR HEAT EXCHANGERS
WITH ENHANCED BOILING SURFACES"
HEAT EXCHANGERS: THEORY AND PRACTICE, HEMISPHERE
PUBLISHING CORPORATION, WASHINGTON, AND MC GRAW-HILL
BOOK COMPANY, NEW YORK, 1983, PP.175-192
013144 1983 ** TREATSURF
POOLBOIL
- ARAI;A. ARAI;N. FUSHIMA;T.
NAKAYAMA;W. FUJIE;K.
"HEAT TRANSFER CHARACTERISTICS OF "THERMOEXCEL" TUBES IN
HEAT EXCHANGERS OF TURBO-REFRIGERATING MACHINES"
IIF-IIR COMMISSIONS B1, B2, AND B3, BELGRADE, YUGOSLAVIA,
1977, PP.15-20
013068 1977 ** TREATSURF
POOLBOIL CONDENSATION
- ARSHAD;J. THOME;J.R.
"ENHANCED BOILING SURFACES: HEAT TRANSFER MECHANISM
MIXTURE BOILING"
ASME-JSME THERMAL ENGINEERING JOINT CONFERENCE PROCEEDINGS,
HONOLULU, HAWAII, MARCH 1983, VOL.1, PP.191-197
013131 1983 ** TREATSURF
POOLBOIL
- BAHHUTH;A. MESSINA;A.D. PARK;JR;E.
"SURFACE TREATMENTS FOR ENHANCEMENT OF NUCLEATE BOILING HEAT
TRANSFER"
PRESENTED AT THIRD MIAMI INTERNATIONAL CONFERENCE ON
ALTERNATIVE ENERGY SOURCES, BAL HARBOUR, FLORIDA, DECEMBER
1980
- 013081 1980 ** TREATSURF
POOLBOIL NHC
- BAHHUTH;A. GENETTI;W.E.
"NUCLEATE BOILING HEAT TRANSFER ENHANCEMENT WITH HEAT
TRANSFER SURFACE CAVITIES"
AMERICAN INSTITUTE OF CHEMICAL ENGINEERS SYMPOSIUM
SERIES, NO.225, VOL.79, 1983, PP.28-33
013138 1983 AICHESS TREATSURF
POOLBOIL
- BAUMEISTER;K.J. HENRY;R.E. SIMON;F.F.
"ROLE OF THE SURFACE IN THE MEASUREMENT OF THE LEIDENFROST
TEMPERATURE"
AUGMENTATION OF CONVECTIVE HEAT AND MASS TRANSFER,
AMERICAN SOCIETY OF MECHANICAL ENGINEERS, NEW YORK, 1970,
PP.91-101
013030 1970 ACHMT TREATSURF
POOLBOIL
- BERENSON;P.J.
"EXPERIMENTS ON POOL-BOILING HEAT TRANSFER"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.5,
1962, PP.985-999
013004 1962 IJHMT TREATSURF
POOLBOIL
- BERGLES;A.E. BAKHRU;N. SHIRES JR.;J.W.
"COOLING OF HIGH-POWER-DENSITY COMPUTER COMPONENTS"
MASSACHUSETTS INSTITUTE OF TECHNOLOGY ENGINEERING PROJECTS
LABORATORY REPORT 70712-60, 1968
013025 1968 MIT TREATSURF
POOLBOIL FLOBOIL
- BERGLES;A.E. THOMPSON JR.;W.G.
"THE RELATIONSHIP OF QUENCH DATA TO STEADY-STATE POOL
BOILING DATA"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.13,
1970, PP.55-68
013031 1970 IJHMT TREATSURF
ROUGH SURF POOLBOIL
- BERGLES;A.E. CHYU;M.-C.
"CHARACTERISTICS OF NUCLEATE POOL BOILING FROM POROUS
METALLIC COATINGS"
ADVANCES IN ENHANCED HEAT TRANSFER-1981, HTD VOL. 18,
AMERICAN SOCIETY OF MECHANICAL ENGINEERS, NEW YORK, 1981,
PP. 61-71
013086 1981 ** TREATSURF
POOLBOIL
- BERGLES;A.E. CHYU;M.C.
"CHARACTERISTICS OF NUCLEATE POOL BOILING FROM POROUS
METALLIC COATINGS"
JOURNAL OF HEAT TRANSFER, VOL.104, 1982, PP.279-285
013111 1982 JHT TREATSURF
POOLBOIL
- BLISS JR.;F.E. HSU;S.T. CRAWFORD;M.
"AN INVESTIGATION INTO THE EFFECTS OF VARIOUS PLATINGS ON
THE FILM COEFFICIENT DURING NUCLEATE BOILING FROM HORIZONTAL
TUBES"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.12,
1969, PP.1061-1072
013026 1969 IJHMT TREATSURF
POOLBOIL
- BONILLA;C.F. GRADY;J.J. AVERY;G.W.
"POOL BOILING HEAT TRANSFER FROM SCORED SURFACES"
CHEMICAL ENGINEERING PROGRESS SYMPOSIUM SERIES, VOL.61,
NO.57, 1965, PP.280-288
013008 1965 CEPSS TREATSURF
POOLBOIL
- BORISHANSKAYA;A.V.
"ON HEAT TRANSFER DURING BOILING OF FREONS ON SURFACES WITH
POROUS METALLIC COATINGS"
KHOLODELNAYA TEKHNIKA, NO.12, 1979, PP.17-20
013117 1979 ** TREATSURF
POOLBOIL

- BROWN JR.;W.T.
"A STUDY OF FLOW SURFACE BOILING"
PH.D. THESIS IN MECHANICAL ENGINEERING, MASSACHUSETTS
INSTITUTE OF TECHNOLOGY, JANUARY 1967
014001 1967 MIT TREATSURF
FLOBOIL POOLBOIL
- BUKIN;V.G. DANILOVA;G.N. DYUNDIN;V.A.
"HEAT TRANSFER FROM FREONS IN A FILM FLOWING OVER BUNDLES
OF HORIZONTAL TUBES THAT CARRY A POROUS COATING"
HEAT TRANSFER - SOVIET RESEARCH, VOL.14, NO.2, 1982,
PP.98-103
013080 1982 HTSR TREATSURF
POOLBOIL
- BUTLER;A.P. JAMES;G.B. MADDOCK;B.J.
NORRIS;W.T.
"IMPROVED POOL BOILING HEAT TRANSFER TO HELIUM FROM
TREATED SURFACES AND ITS APPLICATION TO SUPERCONDUCTING
MAGNETS"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.13,
1970, PP.105-116
013032 1970 IJHMT TREATSURF
POOLBOIL
- CAI;B. ZHUANG;L. TAN;Y.
DENG;S.
"INVESTIGATION OF BOILING HEAT TRANSFER MECHANISM AND
PERFORMANCE OF MECHANICALLY FABRICATED POROUS SURFACE"
PROCEEDINGS OF JOINT MEETING OF CHEMICAL ENGINEERING,
CHEMICAL INDUSTRY, AND ENGINEERING SOCIETY OF CHINA/
AICHE, BEIJING, CHINA, SEPTEMBER 1982, VOL.11, PP.
664-672
013127 1982 ** TREATSURF
POOLBOIL
- CARNAYOS;T.C.
"AN EXPERIMENTAL STUDY: POOL BOILING R-11 WITH AUGMENTED
TUBES"
ADVANCES IN ENHANCED HEAT TRANSFER-1981, HTD VOL. 18
AMERICAN SOCIETY OF MECHANICAL ENGINEERS, NEW YORK, 1981,
PP. 103-108
033040 1981 ** EXTENDED3URF
POOLBOIL TREATSURF
- CHAUDHRI;I.H. MC DOUGALL;I.R.
"AGEING STUDIES IN NUCLEATE POOL BOILING OF ISOPROPYL
ACETATE AND PERCHLOROETHYLENE"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.12,
1969, PP.681-688
013051 1969 IJHMT TREATSURF
POOLBOIL
- CHUANG;L.S. TSUAY;N.Y. RUAN;C.C.
"THE POOL BOILING TESTS OF MECHANICALLY-MADE POROUS-
SURFACES TUBES"
SOUTH CHINA INSTITUTE OF TECHNOLOGY, HEAT TRANSFER LABORA-
TORY IN CHEMICAL ENGINEERING REPORT, MAY 1981
013073 1981 ** TREATSURF
POOLBOIL
- CHYU, M.-C. BERGLES;A.E. MAYINGER;F.
"ENHANCEMENT OF HORIZONTAL TUBE SPRAY FILM EVAPORATORS"
HEAT TRANSFER 1982, VOL.6, HEMISPHERE PUBLISHING COMPANY,
WASHINGTON, D.C., 1982, PP.275-280
013116 1982 VIIHTC TREATSURF
POOLBOIL
- CORTY;C. FOUST;A.S.
"SURFACE VARIABLES IN NUCLEATE BOILING"
CHEMICAL ENGINEERING PROGRESS SYMPOSIUM SERIES, VOL.51,
NO.17, 1955, PP.1-12
013002 1955 CEPSS TREATSURF
POOLBOIL
- COSTELLO;C.P. FREA;W.J.
"A SALIENT NONHYDRODYNAMIC EFFECT ON POOL BOILING BURNOUT
OF SMALL SEMICYLINDRICAL HEATERS"
CHEMICAL ENGINEERING PROGRESS SYMPOSIUM SERIES, VOL.61,
NO.57, 1965, PP.258-268
013011 1965 CEPSS TREATSURF
POOLBOIL
- CZIKK;A.M. GOTTSMANN;C.F. RAGI;E.G.
WITHERS;J.G. HADDA;E.P.
"PERFORMANCE OF ADVANCED HEAT TRANSFER TUBES IN REFRIGERANT-
FLOODED LIQUID COOLERS"
ASHRAE TRANSACTIONS, VOL. 1, PART 1, 1970, PP. 96-109
013027 1970 ASHRAE TREATSURF
POOLBOIL
- CZIKK;A.M. O'NEILL;P.S.
"APPLICATION OF ENHANCED HEAT TRANSFER SURFACE TO VTE
PROCESS PLANT"
PRESENTED AT OFFICE OF SALINE WATER SYMPOSIUM ON ENHANCED
TUBES FOR DESALINATION PLANTS, MARCH 1969
013042 1969 OSW TREATSURF
POOLBOIL CONDENSATION ROUGHSURF
- CZIKK;A.M. O'NEILL;P.S.
"CORRELATIONS OF NUCLEATE BOILING FROM POROUS METAL FILMS"
ADVANCES IN ENHANCED HEAT TRANSFER, AMERICAN SOCIETY OF
MECHANICAL ENGINEERS, NEW YORK, 1979, PP.53-60
013061 1979 ASME TREATSURF
POOLBOIL
- CZIKK;A.M. FRICKE;H.D. GANIC;E.N.
SHARMA;B.I.
"FLUID DYNAMIC AND HEAT TRANSFER STUDIES OF OTEC HEAT EX-
CHANGERS"
PROCEEDINGS OF THE FIFTH OCEAN THERMAL ENERGY CONVERSION
CONFERENCE, MIAMI BEACH, FLORIDA, 1978, PP.VI181-VI236.
013078 1978 OTEC TREATSURF
POOLBOIL EXTENDED3URF CONDENSATION
- CZIKK;A.M. FRICKE;H.D. GANIC;E.N.
"ENHANCED PERFORMANCE HEAT EXCHANGERS"
PROCEEDINGS FOURTH ANNUAL CONFERENCE ON OCEAN THERMAL ENERGY
CONVERSION, NEW ORLEANS, LOUISIANA, MARCH 1977, PP.
VI-71 - VI-92
013091 1977 ** TREATSURF
POOLBOIL
- CZIKK;A.M. O'NEILL;P.S. GOTTSMANN;C.F.
"NUCLEATE BOILING FROM POROUS METAL FILMS: EFFECT OF PRIMARY
VARIABLES"
ADVANCES IN ENHANCED HEAT TRANSFER-1981, HTD VOL. 18,
AMERICAN SOCIETY OF MECHANICAL ENGINEERS, NEW YORK, 1981,
PP. 109-122
013007 1981 ASME TREATSURF
POOLBOIL
- DANILOVA;G.N. GUYGO;E.I. BORISHANSKAYA;A.V.
BUKIN;V.G. DYUNDIN;V.A. KOZYREV;A.A.
MALKOV;I.S. MALYUGIN;G.I.
"ENHANCEMENT OF HEAT TRANSFER DURING BOILING OF LIQUID
REFRIGERANTS AT LOW HEAT FLUXES"
HEAT TRANSFER - SOVIET RESEARCH, VOL.8, NO.4, 1976, PP.1-8
013060 1976 HTSR TREATSURF
ROUGHSURF POOLBOIL FLOBOIL
- DANILOVA;G.N. GUIGO;E.I. BORISHANSKAYA;A.V.
BUKIN;V.G. DYUNDIN;V.A. KOZYREV;A.A.
MALKOV;I.S. MALYUGIN;G.I.
"ENHANCEMENT OF HEAT TRANSFER WITH LOW-TEMPERATURE LIQUID
BOILING AT SMALL HEAT FLUX RATES"
ABSTRACT FROM THE FIFTH ALL-UNION HEAT AND MASS TRANSFER
CONFERENCE, MINSK, USSR, 1976, P.69
013104 1976 ** TREATSURF
POOLBOIL
- DYUNDIN;V.A. DANILOVA;G.N. BORISHANSKAYA;A.V.
KROTKOV;V.N. GOGOLIN;V.A. VAKHALIN;V.A.
PROTASOV;G.A.
"INTENSIFICATION OF HEAT EXCHANGE ON THE BOILING OF COOLING
AGENTS ON SURFACES HAVING GAS-THERMAL COATINGS"
CHEMICAL AND PETROLEUM ENGINEERING, VOL.11, 1975, PP.816-818
013040 1975 ** TREATSURF
POOLBOIL
- DYUNDIN;V.A. DANILOVA;G.N. BORISHANSKAYA;A.V.
"HEAT TRANSFER TO REFRIGERANTS BOILING ON TUBES COVERED WITH
POROUS COATINGS"
HEAT TRANSFER - SOVIET RESEARCH, VOL.13, NO.1, 1981, PP.

61-74
013106 1981 HTSR TREATSURF
POOLBOIL

EDWARDS;J.A. HOFFMAN;H.W.
"SUPERHEAT WITH BOILING ALKALI METALS"
PROCEEDINGS OF THE CONFERENCE ON APPLICATION OF HIGH
TEMPERATURE INSTRUMENTATION TO LIQUID-METAL EXPERIMENTS,
ARGONNE NATIONAL LABORATORY REPORT ANL-7100, 1965,
PP.515-534

013009 1965 ANL TREATSURF
ROUGH SURF POOLBOIL FLOBOIL

FREA;W.J. DZAKOWIC;G.S. HAMELINK;J.M.
HARJALA;W.S.
"SOME EXPERIMENTAL AND ANALYTICAL INVESTIGATIONS ON THE
CRITICAL HEAT FLUX IN POOL BOILING"
AMERICAN INSTITUTE OF CHEMICAL ENGINEERS PREPRINT 10 FOR
EIGHTH NATIONAL HEAT TRANSFER CONFERENCE, 1965

013012 1965 AICHE TREATSURF
POOLBOIL

FRICKE;H.D. CZIKK;A.H.
"ENHANCED OTEC SPRAYED BUNDLE EVAPORATOR PERFORMANCE STUDIES
ADVANCES IN ENHANCED HEAT TRANSFER, AMERICAN SOCIETY OF
MECHANICAL ENGINEERS, NEW YORK, 1979, PP.23-29

013039 1979 ASME TREATSURF
POOLBOIL

FUJIE;K. NAKAYAMA;W. KUWAHARA;H.
NAKAYAMA;Y. KAKIZAKI;K.
"HIGH-FLUX HEAT TRANSFER TUBES "THERMOEXCEL'S": THEIR
PERFORMANCE AND THE RESULTS OF FEASIBILITY TEST IN A
REFRIGERATING MACHINE"
PAPER B1,97, XIV INTERNATIONAL CONGRESS OF REFRIGERATION,
MOSCOW, 1975

013064 1975 ** TREATSURF
POOLBOIL

FUJII;M. NISHIYAMA;E. YAMANKA;G.
"NUCLEATE POOL BOILING HEAT TRANSFER FROM MICRO-POROUS
HEATING SURFACES"
ADVANCES IN ENHANCED HEAT TRANSFER, AMERICAN SOCIETY OF
MECHANICAL ENGINEERS, NEW YORK, 1979, PP.45-51

013053 1979 ASME TREATSURF
POOLBOIL

GENBACH;A.A. FEDOROV;V.N. SHELGINSKY;A.Y.
"LIQUID BOILING HEAT TRANSFER IN CAPILLARY-POROUS
STRUCTURES IN THE FIELD OF BODY FORCES"
TRUDY MOSKVA ENERGETICHESKII INSTITUT, NO.448,1980, PP.27-31

143002 1980 ** COMPOUNDTech
TREATSURF ELECTRFIELD POOLBOIL

GURELOV;V.G. NIKOLAYEV;G.P. SMETANIN;S.A.
"BOILING HEAT TRANSFER ON POROUS SURFACES AT SUBATMOSPHERIC
PRESSURES"
HEAT TRANSFER - SOVIET RESEARCH, VOL.12, NO.4, 1980, PP.
142-145

013102 1980 HTSR TREATSURF
POOLBOIL

GOTTSMANN;C.F. O'NEILL;P.S. MINTON;P.E.
"HIGH EFFICIENCY HEAT EXCHANGERS"
CHEMICAL ENGINEERING PROGRESS, VOL.69, NO.7, 1973, PP.69-75

013044 1973 CEP TREATSURF
EXTENDED SURF POOLBOIL FLOBOIL

GOTTSMANN;C.F. RAGI;E.G. MINTON;P.E.
"FIELD EXPERIENCE WITH HIGH EFFICIENCY HEAT EXCHANGERS"
AMERICAN INSTITUTE OF CHEMICAL ENGINEERS PREPRINT NO.87C,
FOR NEW ORLEANS MEETING, 1973

013043 1973 AICHE TREATSURF
POOLBOIL

GOTTSMANN;C.F. WULF;J.B. O'NEILL;P.S.
"THEORY AND APPLICATION OF HIGH PERFORMANCE BOILING SURFACES
TO COMPONENTS OF ABSORPTION AIR CONDITIONERS"
PROC. CONF ON NATURAL GAS RES. & TECH., CHICAGO, FEB 28, 1971,
SPONS. AGA1167, PAPER 3, SESSION V

013057 1971 ** TREATSURF
POOLBOIL

NHC

GOTTSMANN;C.F. KAPOOR;V.N. O'NEILL;P.S.
"HIGH EFFICIENCY HEAT EXCHANGERS REDUCE COSTS OF GAS
CHILLING IN ARCTIC PIPELINES"
PAPER PRESENTED AT THE XIV INTERNATIONAL CONGRESS OF
REFRIGERATION, MOSCOW, USSR, 1975

013099 1975 ** TREATSURF
POOLBOIL

GRIFFITH;P.
"NUCLEATION AND BUBBLE FORMATION IN BOILING"
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS,
VOL.180, PART 3C, 1965-1966, PP.93-99

013016 1966 PIME TREATSURF
POOLBOIL

GRIGOR'EV;V.A. KLIMENKO;A.V. DAVLOV;Y.M.
"EXPERIMENTAL INVESTIGATION OF THE INDEPENDENCE OF HEAT
TRANSFER DURING NUCLEATE BOILING ON THE THICKNESS OF THE
HEATING WALL AND METALLIC COATINGS"
HIGH TEMPERATURE, VOL. 16, NO. 1, 1978, PP. 92-95

013067 1978 ** TREATSURF
POOLBOIL

HASEGAWA;S. ECHIGO;R. IRIE;S.
"BOILING CHARACTERISTICS AND BURNOUT PHENOMENA ON HEATING
SURFACE COVERED WITH SCREENS"
JOURNAL OF NUCLEAR SCIENCE AND TECHNOLOGY, VOL.12,1975,
PP.722-724

013054 1975 JNST TREATSURF
POOLBOIL

HILLIS;D.L. LORENZ;J.J. YUNG;D.T.
SATHER;N.F.
"OTEC PERFORMANCE TESTS OF THE UNION CARBIDE SPRAYED-BUNDLE
EVAPORATOR"
ARGONNE NATIONAL LABORATORY, REPORT ANL/OTEC-PS-3, MAY 1979

013083 1979 ANL TREATSURF
POOLBOIL

HINRICH;T. HENNECKE;E. YASUDA;H.
"THE EFFECT OF PLASMA-DEPOSITED POLYMERS ON THE NUCLEATE
BOILING BEHAVIOR OF COPPER HEAT TRANSFER SURFACES"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL. 24,
1981, PP. 1359-1367

013082 1981 IJHMT TREATSURF
POOLBOIL

HUMMEL;R.L.
"ECONOMICS OF IMPROVED HEAT TRANSFER SURFACES IN
EVAPORATION"
PRESENTED AT THE 55TH NATIONAL MEETING OF AMERICAN SOCIETY
OF CHEMICAL ENGINEERS, HOUSTON, FEBRUARY 1965

013013 1965 AICHE TREATSURF
PERFORMANCE POOLBOIL

HUMMEL;R.L.
"PROGRESS IN IMPROVED SURFACES FOR EVAPORATION"
AMERICAN INSTITUTE OF CHEMICAL ENGINEERS PAPER NO. 62D
PRESENTED AT NATIONAL MEETING, 1967

013018 1967 AICHE TREATSURF
POOLBOIL

NHC

ITO;T. NISHIKAWA;K. TANAKA;K.
"EVALUATION OF POTENTIAL HIGH PERFORMANCE POROUS BOILING
SURFACES. (1ST REPORT)"
REFRIGERATION, VOL.57, NO.651, 1982, PP.25-29

013136 1982 ** TREATSURF
POOLBOIL

JAKUBOWSKI;G. JOHN;J.E.A.
"THE EFFECT OF BEDDING MATERIALS ON BOILING HEAT TRANSFER
COEFFICIENTS"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.77-HT-26,
1976

013058 1977 ASME TREATSURF
POOLBOIL

KAJIKAWA;T. TAKAZAWA;H. NISHIYAMA;K.

AGAWA;T. IIDAKA;H. AMANO;M.
 "DEVELOPMENT OF ENHANCEMENT OF THE WORKING FLUID SIDE HEAT
 TRANSFER FOR OTEC"
 PROCEEDINGS OF THE SEVENTH OCEAN ENERGY CONFERENCE, CONF-
 800633, VOL.2, 1980, PP.12.2-1 - 12.2-9
 013113 1980 ** TREATSURF
 POOLBOIL EXTENDED SURF CONDENSATION

KAJIKAWA;T. TAKAZAWA;H. MIZUKI;M.
 "HEAT TRANSFER PERFORMANCE OF METAL FIBER SINTERED
 SURFACES"
 HEAT TRANSFER ENGINEERING, VOL.4, NO.1, 1983, PP.57-66
 013135 1983 HTE TREATSURF
 POOLBOIL

KARTSOUNES;G.T.
 "A STUDY OF SURFACE TREATMENT ON POOL BOILING HEAT TRANSFER
 IN REFRIGERANT-12"
 ASHRAE TRANSACTIONS, VOL.81, PT.1, 1975, PP.320-326
 013036 1975 ASHRAE TREATSURF
 POOLBOIL

KASHIRSKII;V.G. PECHENEGOV;Y.Y. SEROV;Y.I.
 "INTENSIFICATION OF HEAT TRANSFER IN BOILING WATER IN A
 MICROTHERMOSIPHON WITH SUPPLY OF HEAT TO THE END"
 JOURNAL OF ENGINEERING PHYSICS, VOL.42, 1982, PP.151-153
 013133 1982 JEP TREATSURF
 POOLBOIL

KOVALEV;A.S. LEN'KOV;V.A.
 "MECHANISM OF BURNOUT WITH BOILING ON A POROUS SURFACE"
 THERMAL ENGINEERING, VOL.28, NO.4, 1981, PP.201-203
 013105 1981 TENG TREATSURF
 POOLBOIL

KRAUS;W.E.
 "ENTWICKLUNGSSTAND VON KAEITEMASCHINEN UND-ANLAGEN"
 LUFT-UND KAELETETECHNIK, VOL.12, 1976, PP.18-24
 013065 1976 ** TREATSURF
 POOLBOIL

KUCHMA-KICHTA;Y.A. LIVANOV;I.V. MOSKVIN;V.N.
 SOROKIN;D.N. SHANIN;V.K.
 "AN INVESTIGATION OF HEAT TRANSFER WHEN BOILING WATER WITH
 SURFACE-ACTIVE AGENTS ADDED, WITHIN WIDE RANGE OF
 PRESSURES"
 THERMAL ENGINEERING, VOL.29, 1982, PP.104-105
 013132 1982 TENG TREATSURF
 POOLBOIL

KULOR;N.R. RADHAKRISHNAN;V.N.
 "EFFECT OF SURFACE ROUGHNESS ON NUCLEATE BOILING"
 CHEMICAL AND PROCESS ENGINEERING, VOL.47, NO.6, 1966, PP.
 276-280
 013017 1966 CPE TREATSURF
 ROUGHSURF POOLBOIL

KUNZ;H.R. LANGSTON;L.S. HILTON;B.H.
 WYDE;S. NASHICK;G.H.
 "VAPOR-CHAMBER FIN STUDIES"
 NATIONAL AERONAUTICS AND SPACE ADMINISTRATION, REPORT NO.
 NASA-CR-812, JUNE 1967
 013121 1967 ** TREATSURF
 POOLBOIL

KURIHARA;H.M. MYERS;J.E.
 "THE EFFECTS OF SUPERHEAT AND SURFACE ROUGHNESS ON
 BOILING COEFFICIENTS"
 AMERICAN INSTITUTE OF CHEMICAL ENGINEERS JOURNAL, VOL.6,
 1960, PP.83-91
 013003 1960 AIChEJ TREATSURF
 POOLBOIL

LEWIS;L.G. SATHER;N.F.
 "OTEC PERFORMANCE TESTS OF THE UNION CARBIDE FLOODED-BUNDLE
 EVAPORATOR"
 OCEAN THERMAL ENERGY CONVERSION PROGRAM, ARGONNE NATIONAL
 LABORATORY, ANL-OTEC-PS-1, 1978
 013021 1978 ** TREATSURF
 POOLBOIL

LORENZ;J.J. YUNG;D. HOWARD;P.A.

PANCHAL;C.B. POUCHER;F.W.
 "OTEC-1 POWER SYSTEM TEST PROGRAM: PERFORMANCE OF ONE-
 MEGAWATT HEAT EXCHANGERS"
 ARGONNE NATIONAL LABORATORY, OCEAN THERMAL CONVERSION
 PROGRAM REPORT NO. ANL/OTEC-PS-10, NOVEMBER 1981
 013107 1981 ANL TREATSURF
 POOLBOIL OTEC

LUSTENADER;E.L. RICHTER;R. NEUGEBAUER;F.J.
 "THE USE OF THIN FILMS FOR INCREASING EVAPORATION AND
 CONDENSATION RATES IN PROCESS EQUIPMENT"
 JOURNAL OF HEAT TRANSFER, VOL.81, 1959, PP.297-307
 093008 1959 JHT MECHAD
 POOLBOIL CONDENSATION TREATSURF EXTENDED SURF

MARTIN;R.
 "LINDE DEVELOPS MAJOR BREAKTHROUGH IN HEAT TRANSFER"
 PETRO/CHEM ENGINEER, APRIL 1970, PP.30,32
 013029 1970 ACHMT TREATSURF
 POOLBOIL

MARTO;P.J. ROHSENOW;W.M.
 "EFFECTS OF SURFACE CONDITIONS ON NUCLEATE POOL BOILING
 OF SODIUM"
 JOURNAL OF HEAT TRANSFER, VOL.88, 1966, PP.196-204
 013015 1966 JHT TREATSURF
 POOLBOIL

MARTO;P.J. MOULSON;J.A. MAYNARD;M.D.
 "NUCLEATE POOL BOILING OF NITROGEN WITH DIFFERENT SURFACE
 CONDITIONS"
 JOURNAL OF HEAT TRANSFER, VOL.90, 1968, PP.437-444
 013022 1968 JHT TREATSURF
 POOLBOIL

MARTO;P.J. HERNANDEZ;B.
 "NUCLEATE POOL BOILING CHARACTERISTICS OF A GEWA-T
 SURFACE IN FREON-113"
 AMERICAN INSTITUTE OF CHEMICAL ENGINEERS SYMPOSIUM
 SERIES, NO.225, VOL.79, 1983, PP.1-10
 013139 1983 AIChES TREATSURF
 POOLBOIL

MESSINA;A.D. PARK;JR.;E.L.
 "EFFECTS OF PRECISE ARRAYS OF PITS ON NUCLEATE BOILING"
 INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.24,
 1981, PP.141-145
 013108 1981 IJHMT TREATSURF
 POOLBOIL

MESSINA;A.D.
 "EFFECTS OF PRECISE ARRAYS OF PITS ON THE NUCLEATE BOILING
 OF FREON 113 FROM FLAT COPPER SURFACES AT ONE ATMOSPHERE
 PRESSURE"
 PH.D. THESIS, UNIVERSITY OF MISSOURI-ROLLA, 1978
 013119 1979 ** TREATSURF
 POOLBOIL
 NHC

MESSINA;A.D. PARK;E.L.
 "A NEW TOOL FOR NUCLEATE BOILING RESEARCH"
 CHEMICAL ENGINEERING COMMUNICATIONS, VOL.4, NO.1, 1980, PP.
 69-76
 013120 1980 ** TREATSURF
 POOLBOIL

MOGI;I. KAWAI;S. MACHIYAMA;T.
 "EXPERIMENTAL INVESTIGATIONS ON BOILING HEAT TRANSFER
 CHARACTERISTICS OF THE TUBES WITH SINTERED METAL SURFACE
 (III)"
 BULLETIN OF SCIENCE AND ENGINEERING RESEARCH
 LABORATORY, WASEDA UNIVERSITY, NO.56, 1972, PP.1-8
 013069 1972 ** TREATSURF
 POOLBOIL

NAKAYAMA;W. DAIKOKU;T. KUWAHARA;H.
 NAKAJIMA;T.
 "DYNAMIC MODEL OF ENHANCED BOILING HEAT TRANSFER ON POROUS
 SURFACES"
 JOURNAL OF HEAT TRANSFER, VOL. 102, 1980, PP. 445-456
 013050 1979 JHT TREATSURF
 POOLBOIL

NAKAYAMA;W. KUWAHARA;H. DAIKOKU;T.
 "BOILING HEAT TRANSFER ON THE SURFACE HAVING A POROUS
 STRUCTURE COMPOSED OF SMALL TUNNELS AND PORES"
 HITACHI LTD. MECHANICAL ENGINEERING RESEARCH LABORATORY
 TECHNICAL PAPER MTR NO.1, 1978
 013066 1978 ** TREATSURF
 POOLBOIL

NAKAYAMA;W. DAIKOKU;T. NAKAJIMA;T.
 "MODELING OF LIQUID SUCTION MECHANISM IN POROUS SURFACE
 BOILING"
 AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.
 80-HT-122, 1980
 013071 1980 ASME TREATSURF
 POOLBOIL

NAKAYAMA;W. DAIKOKU;T. NAKAJIMA;T.
 "EFFECTS OF PORE DIAMETERS AND SYSTEM PRESSURE ON SATURATED
 POOL NUCLEATE BOILING HEAT TRANSFER FROM POROUS SURFACES"
 JOURNAL OF HEAT TRANSFER, VOL.104, 1982, PP.286-291
 013110 1982 JHT TREATSURF
 POOLBOIL

NAKAYAMA;W. DAIKOKU;T. NAKAJIMA;T.
 "ENHANCEMENT OF BOILING AND EVAPORATION ON STRUCTURED
 SURFACES WITH GRAVITY DRIVEN FILM FLOW OF R-11"
 HEAT TRANSFER 1982, HEMISPHERE PUBLISHING CORPORA-
 TION, WASHINGTON, D.C., 1982, PP.409-414
 013141 1982 VII'HTC TREATSURF
 POOLBOIL

NESIS;Y.I. CHEKANOV;V.Y.
 "MAJOR ASPECTS OF PHYSICS OF BOILING AND WAYS OF AUGMENTING
 HEAT TRANSFER ACCOMPANIED BY PHASE TRANSITION"
 HEAT TRANSFER - SOVIET RESEARCH, VOL.8, NO.4, 1976, PP.9-16
 013059 1976 HTSR TREATSURF
 POOLBOIL

NIKOLAEV;G.P. TAKALOV;Y.K.
 "BOILING CRISIS ON SURFACES WITH POROUS COATING"
 JOURNAL OF ENGINEERING PHYSICS, VOL.26, 1974, PP.1-4
 013045 1974 JEP TREATSURF
 POOLBOIL

NISHIKAWA;K. ITO;T. TANAKA;K.
 "ENHANCED HEAT TRANSFER BY NUCLEATE BOILING ON A SINTERED
 METAL LAYER"
 HEAT TRANSFER-JAPANESE RESEARCH, VOL. 8, NO. 2, 1979,
 PP. 65-81
 013090 1979 HTJR TREATSURF
 POOLBOIL

NISHIKAWA;K. ITO;T.
 "AUGMENTATION OF NUCLEATE BOILING HEAT TRANSFER BY PREPARED
 SURFACES"
 HEAT TRANSFER IN ENERGY PROBLEMS, PROCEEDINGS OF THE JAPAN-
 UNITED STATES JOINT SEMINAR, TOKYO, JAPAN, SEPTEMBER 1980,
 HEMISPHERE PUBLISHING CORPORATION, WASHINGTON, 1982, PP.
 119-126
 013109 1982 ** TREATSURF
 POOLBOIL

NISHIKAWA;K.
 "BOILING HEAT TRANSFER AND ITS AUGMENTATION"
 ASME-JSME THERMAL ENGINEERING JOINT CONFERENCE PROCEEDINGS,
 HONOLULU, HAWAII, MARCH 1983, VOL.3, PP.11-20
 013129 1983 ** TREATSURF
 POOLBOIL

NISHIKAWA;K. ITO;T. TANAKA;K.
 "AUGMENTED HEAT TRANSFER BY NUCLEATE BOILING AT PREPARED
 SURFACES"
 ASME-JSME THERMAL ENGINEERING JOINT CONFERENCE PROCEEDINGS,
 HONOLULU, HAWAII, MARCH 1983, VOL.1, PP.387-393
 013130 1983 ** TREATSURF
 POOLBOIL

NISHIKAWA;N.
 "EFFECT OF SURFACE ROUGHNESS ON BOILING HEAT TRANSFER"
 TRANSACTIONS OF THE JAPANESE SOCIETY OF MECHANICAL
 ENGINEERS, VOL.20, 1954, PP.808-815

013001 1954 ** TREATSURF
 POOLBOIL

NOVIKOV;V.S.
 "ON THE EFFECT OF ROUGHNESS HOLLOWES AND CONVECTIVE DIFFUSION
 ON THE BEGINNING OF A PHASE TRANSFORMATION PROCESS IN
 LIQUIDS"
 HEAT AND MASS TRANSFER, VOL.2, MINSK, 1972
 013048 1972 ** TREATSURF
 POOLBOIL
 NHC

O'NEILL;P.S. GOTTSMANN;C.F. TERBOT;C.F.
 "HEAT EXCHANGER FOR NGL"
 CHEMICAL ENGINEERING PROGRESS, VOL.67, NO.7, 1971, PP.80-82
 013034 1971 CEP TREATSURF
 POOLBOIL

O'NEILL;P.S. GOTTSMANN;C.F. TERBOT;J.W.
 "NOVEL HEAT EXCHANGER INCREASES CASCADE CYCLE EFFICIENCY FOR
 NATURAL GAS LIQUEFACTION"
 ADVANCES IN CRYOGENIC ENGINEERING, VOL.17, 1972, PP.420-437
 013062 1972 ** TREATSURF
 POOLBOIL

O'NEILL;P.S. TERBOT;J.W.
 "HEAT-TRANSFER COATING AID TO BIG LNG PLANTS"
 OIL AND GAS JOURNAL, NOVEMBER 27, 1972, PP.57-61
 013098 1972 ** TREATSURF
 POOLBOIL

OGATA;H. NAKAYAMA;W.
 "HEAT TRANSFER TO BOILING HELIUM FROM MACHINED AND
 CHEMICALLY TREATED COPPER SURFACES"
 PROCEEDINGS OF THE 1981 CRYOGENIC ENGINEERING CONFERENCE,
 SAN DIEGO, CALIFORNIA, VOL.27, 1982, PP.309-317
 013126 1982 ** TREATSURF
 POOLBOIL

OKTAY;S. SCHMECKENBECHER;A.F.
 "PREPARATION AND PERFORMANCE OF DENDRITIC HEAT SINKS"
 JOURNAL OF THE ELECTROCHEMICAL SOCIETY, VOL.21, 1974,
 PP.912-918
 013033 1974 ** TREATSURF
 POOLBOIL

ORLOV;V.K. POZNYAK;V.Y. SAVEL'YEV;V.N.
 KUZ'MENKO;G.P.
 "ENHANCEMENT OF THE HEAT TRANSFER COEFFICIENT IN BOILING OF
 CRYOGENIC FLUIDS"
 HEAT TRANSFER - SOVIET RESEARCH, VOL.12, NO.2, 1980, PP.
 79-84
 013097 1980 HTSR TREATSURF
 POOLBOIL ROUGHSURF FLOBOIL

ORLOV;V.K. SAVEL'YEV;V.N.
 "INVESTIGATION OF HEAT TRANSFER WITH BOILING OF CRYOGENIC
 LIQUIDS ON SURFACES WITH A CAPILLARY-POROUS COATING"
 THERMAL ENGINEERING, VOL.27, NO.8, 1980, PP.471-474
 013103 1980 TENG TREATSURF
 POOLBOIL

PALEN;J.W. TABOREK;J.
 "CHARACTERISTICS OF BOILING OUTSIDE LARGE SCALE HORIZONTAL
 MULTITUDE BUNDLES"
 AMERICAN INSTITUTE OF CHEMICAL ENGINEERS 12TH NATIONAL HEAT
 TRANSFER CONFERENCE, TULSA, OKLAHOMA, 1971, PAPER NO. 9
 033033 1971 AIChE TREATSURF
 EXTENDED SURF POOLBOIL

PALEN;J.W. YARDEN;A. TABOREK;J.
 "CHARACTERISTICS OF BOILING OUTSIDE LARGE-SCALE HORIZONTAL
 MULTITUDE BUNDLES"
 AIChE SYMPOSIUM SERIES NO.118, VOL.68, 1972, PP.50-61
 033025 1972 AIChESS EXTENDED SURF
 POOLBOIL TREATSURF

PALEN;J.W. TABOREK;J. YILMAZ;S.
 "COMMENTS TO THE APPLICATION OF ENHANCED BOILING SURFACES
 IN TUBE BUNDLES"
 HEAT EXCHANGERS: THEORY AND PRACTICE, HEMISPHERE
 PUBLISHING CORPORATION, WASHINGTON, AND MC GRAW-HILL

- BOOK COMPANY, NEW YORK, 1983, PP.193-204
013145 1983 ** TREATSURF
POOLBOIL
- PANCHAL;C.P. LORENZ;J.J. HILLIS;D.L.
"THE EFFECTS OF AMMONIA CONTAMINATION BY WATER ON OTEC POWER
SYSTEM PERFORMANCE"
ARGONNE NATIONAL LABORATORY, ANL/OTEC-PS-8, AUGUST 1981
033038 1981 ANL EXTENDED SURF
POOLBOIL TREATSURF
- PINCHERA;G.C.
"EFFECT OF GEOMETRY AND HEATER CHARACTERISTICS ON THE
CRITICAL HEAT FLUX IN POOL BOILING"
NORTH AMERICAN AVIATION SR-TDR-6928, DECEMBER 1961
013005 1961 ** TREATSURF
POOLBOIL
NHC
- POZNYAK;V.E. ORLOV;V.K. SAVEL'EV;V.N.
"INTENSIFICATION OF HEAT-TRANSFER IN A CONDENSER-EVAPORATOR
AS A RESULT OF A POROUS COATING ON THE BOILING SURFACE"
CHEMICAL AND PETROLEUM ENGINEERING, VOL.10, 1980, PP.157-
160
013115 1980 CPE TREATSURF
POOLBOIL
- RAGI;E.G. O'NEILL;P.S.
"REFINERY ENERGY CONSERVATION EXPERIENCE WITH ENHANCED
SURFACE REBOILERS"
PROCEEDINGS OF THE 20TH JOINT IMIQ/AICHE CONFERENCE,
ACAPULCO, MEXICO, OCTOBER 1980
013074 1980 ** TREATSURF
POOLBOIL
- RANNENBERG;M. BEER;H.
"HEAT TRANSFER BY EVAPORATION IN CAPILLARY POROUS WIRE MESH
STRUCTURES"
LETTERS IN HEAT AND MASS TRANSFER, VOL.7, NO.6, 1980, PP.
425-436
013118 1980 LHMT TREATSURF
POOLBOIL
- SAASKI;E.W. HARTL;J.H.
"HIGH PERFORMANCE HEAT PIPES FOR HEAT RECOVERY APPLICATIONS"
SIGMA RESEARCH, INC. FINAL REPORT FOR CONTRACT NO. NAS5-
25357, RICHLAND, WASHINGTON, SEPTEMBER 1979
013084 1979 ** TREATSURF
POOLBOIL
CONDENSATION
- SABIN;C.M. POPPENDIEK;H.F.
"FILM EVAPORATION OF AMMONIA OVER HORIZONTAL ROUND TUBES"
PROCEEDINGS OF THE FIFTH OCEAN THERMAL ENERGY CONVERSION
CONFERENCE, VOL.3, 1978, PP.VI.237-VI-260
013077 1978 OTEC TREATSURF
POOLBOIL
- SABIN;C.M. POPPENDIEK;H.F.
"HEAT TRANSFER ENHANCEMENT FOR EVAPORATORS"
PROCEEDINGS FOURTH ANNUAL CONFERENCE ON OCEAN THERMAL ENERGY
CONVERSION, NEW ORLEANS, LOUISIANA, MARCH 1977, PP. VI-93 -
VI-104
013089 1977 ** TREATSURF
POOLBOIL SWIRL-FLU 1 FORCECONV ROUGHSURF
DISPENSE DEVICE
- SAITO;K. KATSUTA;M. KOIZUMI;M.
"BUBBLE GROWTH FROM ARTIFICIAL CAVITIES AT LOW HEAT FLUX"
ABSTRACTED IN THE BULLETIN OF THE JAPAN SOCIETY OF
MECHANICAL ENGINEERS, VOL.25, 1982, P.1036
013137 1982 BJSME TREATSURF
POOLBOIL
- SAMUELS;T.
"THE INFLUENCE OF DISSOLVED SUBSTANCES AND THE STATE OF THE
HEATED SURFACE ON THE MECHANISM OF BOILING"
BROWN BOYER REVIEW, 1962, PP.519-531
073016 1962 ** ADDFOR LIQUIDS
TREATSURF POOLBOIL
- SATHER;N.F. LEWIS;L.G. LORENZ;J.J.
YUNG;D.
"PERFORMANCE TESTS OF 1 MWT OTEC HEAT EXCHANGERS"
PROCEEDINGS OF THE FIFTH OCEAN THERMAL ENERGY CONVERSION
CONFERENCE, VOL.3, 1978, PP.VI-1 - VI-19
013079 1978 ** TREATSURF
POOLBOIL ROUGHSURF CONDENSATION
- SAUER JR.;H.J. MEDROW;R.A.
"EFFECTS OF SURFACE CONDITION ON NUCLEATE BOILING OF
REFRIGERANT-11"
ASHRAE TRANSACTIONS, VOL.81, PART 2, 1975, PP.274-281
013041 1975 ASHRAE TREATSURF
POOLBOIL
- SCHADE;S.S. PARK JR.;E.L.
"EFFECT OF A PLASMA DEPOSITED POLYMER COATING ON THE
NUCLEATE BOILING BEHAVIOUR OF FREON-113."
MULTIPHASE TRANSPORT FUNDAMENTALS, REACTOR SAFETY,
APPLICATIONS, HEMISPHERE PUBLISHING CORPORATION, WASHINGTON,
1979, PP.711-726
013063 1979 ** TREATSURF
POOLBOIL
- SHCHERBAKOV;V.K. KRAVETS;V.Y.
"TEMPERATURE CONDITIONS AND POOL WATER BOILING HEAT TRANSFER
ON MICROSURFACES"
ABSTRACT FROM THE SIXTH ALL-UNION HEAT AND MASS TRANSFER
CONFERENCE, MINSK, USSR, 1980, P. 77
013085 1980 ** TREATSURF
POOLBOIL
- SHIH;C.C. WESTWATER;J.W.
"USE OF COATINGS OF LOW THERMAL CONDUCTIVITY TO IMPROVE
FINS USED IN BOILING LIQUIDS"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.15,
1972, PP.1965-1968
013035 1972 IJHMT TREATSURF
EXTENDED SURF POOLBOIL
- SILVESTRI;V.J. SACHAR;K.S.
"DEPOSITION TECHNIQUES AND HEAT TRANSFER PROPERTIES OF
POROUS ALUMINIUM"
JOURNAL OF THE ELECTROCHEMICAL SOCIETY, VOL.129, 1982
PP. 1029-1036
013134 1982 ** TREATSURF
POOLBOIL
- SKEKRILDZE;I.C. RUSISHVILI;D.G.
"EXPERIMENTAL INVESTIGATION OF HEAT TRANSFER IN EVAPORATION
AND CONDENSATION PROCESSES ON CAPILLARY SURFACES"
JOURNAL OF ENGINEERING PHYSICS, VOL.38, NO.5, 1980, PP.485-
490
013114 1980 ** TREATSURF
POOLBOIL CONDENSATION
- SMIRNOV;G.F.
"APPROXIMATE THEORY OF HEAT TRANSFER WITH BOILING ON
SURFACES COVERED WITH CAPILLARY-POROUS STRUCTURES"
THERMAL ENGINEERING, VOL.24, NO.9, 1977, PP.55-58
013075 1977 TENG TREATSURF
POOLBOIL
- SNYDER;J.E. SPRÖUSE;A.M.
"DESIGN OF 1 MWE OCEAN THERMAL ENERGY CONVERSION (OTEC) HEAT
EXCHANGERS FOR OCEAN TESTING"
HEAT TRANSFER IN OCEAN THERMAL ENERGY (OTEC) SYSTEMS,
HTD-VOL. 12, ASME, NEW YORK, 1980, PP. 17-27
013101 1980 ** TREATSURF
POOLBOIL
- STARNER;K.E. CROMIS;R.A.
"ENERGY SAVINGS THROUGH USE OF HIGH-FLUX EVAPORATOR SURFACE
IN CENTRIFUGAL CHILLERS"
PROCEEDINGS OF THE CENTRAL CHILLED WATER CONFERENCE, PURDUE
UNIVERSITY, NOVEMBER 1976
013055 1976 ** TREATSURF
POOLBOIL

- STEPHAN;K. MITROVIC;J.
"HEAT TRANSFER IN NATURAL CONVECTIVE BOILING OF REFRIGERANTS
AND REFRIGERANT-OIL-MIXTURES IN BUNDLES OF T-SHAPED FINNED
TUBES"
ADVANCES IN ENHANCED HEAT TRANSFER-1981, HTD VOL. 18,
AMERICAN SOCIETY OF MECHANICAL ENGINEERS, NEW YORK, 1981,
PP. 131-146
013095 1981 ** TREATSURF
POOLBOIL
- THOMAS;A. HILLIS;D. PANCHAL;C.
LORENZ;J. YUNG;D. SATHER;N.
"EXPERIMENTAL TESTS OF 1 MWT OTEC HEAT EXCHANGERS AT ARGONNE
NATIONAL LABORATORY"
PROCEEDINGS OF THE SEVENTH OCEAN ENERGY CONFERENCE, CONF-
800633, VOL.2, 1980, PP.12.1-1 - 12.1-8
013112 1980 ** TREATSURF
POOLBOIL EXTENDED SURF CONDENSATION
- TREPP;C. HOFFMAN;T.V.
"BOILING HEAT TRANSFER FROM STRUCTURED SURFACES TO LIQUID
NITROGEN"
WAERME- UND STOFFUEBERTRAGUNG, VOL. 14, 1980, PP. 15-22
013037 1980 ** TREATSURF
POOLBOIL
- VACHON;R.I. TANGER;G.E. DAVIS;D.L.
NIX;G.H.
"POOL BOILING ON POLISHED AND CHEMICALLY ETCHED STAINLESS-
STEEL SURFACES"
JOURNAL OF HEAT TRANSFER, VOL.90, 1968, PP.231-238
013020 1968 JHT TREATSURF
POOLBOIL
- VACHON;R.I. NIX;G.H. TANGER;G.E.
"EVALUATION OF CONSTANTS FOR THE ROHSENOW POOL-BOILING
CORRELATION"
JOURNAL OF HEAT TRANSFER, VOL.90, 1968, PP.239-247
013052 1968 JHT TREATSURF
POOLBOIL
- VACHON;R.I. NIX;G.H. TANGER;G.E.
COBB;R.E.
"POOL BOILING HEAT TRANSFER FROM TEFLON-COATED STAINLESS
STEEL"
JOURNAL OF HEAT TRANSFER, VOL.91, 1969, PP.364-370
013056 1969 JHT TREATSURF
POOLBOIL
- VASILIEV;L.L. ABRAMENKO;A.N. KONEV;S.V.
"HEAT TRANSFER OF A LIQUID BOILING AND EVAPORATING ON A
CAPILLARY AND POROUS SURFACE"
PROCEEDINGS OF THE 6TH INTERNATIONAL HEAT TRANSFER
CONFERENCE, TORONTO, CANADA, VOL.2, 1978, PP.459-464
013140 1978 VIIHTC TREATSURF
POOLBOIL
- WARNER;D.F.
"NUCLEATE BOILING FROM POLYMER COATED SURFACES"
PH.D. THESIS, UNIVERSITY OF MISSOURI - ROLLA, 1976
013038 1976 ** TREATSURF
POOLBOIL NHC
- WARNER;D.F. PARK JR.;E.L. MAYHAN;K.G.
"NUCLEATE BOILING HEAT TRANSFER OF LIQUID NITROGEN FROM
PLASMA DEPOSITED POLYMER COATED SURFACES"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.21,
1978, PP.137-144
013076 1978 IJHMT TREATSURF
POOLBOIL
- WEBB;R.L.
"NUCLEATE BOILING ON POROUS COATED SURFACES"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.
83-HT-37, 1983
013142 1983 ASME TREATSURF
POOLBOIL
- WOLF;W.
"HIGH FLUX TUBING CONSERVES ENERGY"
CHEMICAL ENGINEERING PROGRESS, JULY 1976, PP.53-56
- YAGOV;V.V. LABUNTSOV;D.A.
"INTENSIFICATION OF HEAT TRANSFER AND STABILIZATION OF
BOILING IN A REGION OF VERY LOW PRESSURES"
JOURNAL OF ENGINEERING PHYSICS, VOL.20, 1971, PP.693-698
013047 1971 JEP TREATSURF
POOLBOIL
- YILMAZ;S. HWALEK;J.J. WESTWATER;J.W.
"POOL BOILING HEAT TRANSFER PERFORMANCE FOR COMMERCIAL
ENHANCED TUBE SURFACES"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.
80-HT-41, 1980
013072 1980 ASME TREATSURF
POOLBOIL
- YILMAZ;S. WESTWATER;J.W.
"EFFECT OF COMMERCIAL ENHANCED SURFACES ON THE BOILING HEAT
TRANSFER CURVE"
ADVANCES IN ENHANCED HEAT TRANSFER-1981, HTD VOL. 18,
AMERICAN SOCIETY OF MECHANICAL ENGINEERS, NEW YORK, 1981,
PP. 73-91.
013092 1981 ** TREATSURF
POOLBOIL
- YILMAZ;S. PALEN;J.W. TABOREK;J.
"ENHANCED BOILING SURFACES AS SINGLE TUBES AND TUBE BUNDLES"
ADVANCES IN ENHANCED HEAT TRANSFER-1981, HTD VOL. 18,
AMERICAN SOCIETY OF MECHANICAL ENGINEERS, NEW YORK, 1981,
PP. 123-129
013094 1981 ** TREATSURF
POOLBOIL
- YILMAZ;S. PALEN;J.W. TABOREK;J.
"EVALUATION OF HIGH EFFICIENCY HEAT TRANSFER TECHNIQUES"
UNITED STATES DEPARTMENT OF ENERGY REPORT NO. DOE/ET/13328,
1981
013124 1981 ** TREATSURF
POOLBOIL
- YOUNG;R.K. HUMMEL;R.L.
"THE INFLUENCE OF FIXED NUCLEATION SITES ON NUCLEATE POOL
BOILING"
AMERICAN INSTITUTE OF CHEMICAL ENGINEERS PREPRINT 38C FOR
ANNUAL MEETING, DECEMBER 1964
013007 1964 AIChE TREATSURF
POOLBOIL NHC
- YOUNG;R.K.
"POOL BOILING WITH PRECISE ARRAYS OF ACTIVE SITES"
PH.D. THESIS IN CHEMICAL ENGINEERING AND APPLIED CHEMISTRY,
UNIVERSITY OF TORONTO, 1968
013024 1968 ** TREATSURF
POOLBOIL NHC
- YOUNG;R.K. HUMMEL;R.L.
"THE BURNOUT OF SURFACES HAVING PRECISE ARRAYS OF ACTIVE
SITES"
AMERICAN INSTITUTE OF CHEMICAL ENGINEERS PREPRINT 23 FOR
THE TENTH NATIONAL HEAT TRANSFER CONFERENCE, PHILADELPHIA,
1968
013023 1968 AIChE TREATSURF
POOLBOIL
- YOUNG;R.K. HUMMEL;R.L.
"HIGHER COEFFICIENTS FOR HEAT TRANSFER WITH NUCLEATE
BOILING"
SEVENTH NATIONAL HEAT TRANSFER CONFERENCE, AIChE, ASME,
NO.18, AUG.9-12, 1964
013010 1964 ** TREATSURF
POOLBOIL NHC
- YOUNG;R.K. HUMMEL;R.L.
"IMPROVED NUCLEATE BOILING HEAT TRANSFER"
CHEMICAL ENGINEERING PROGRESS, VOL.60, NO.7, 1964, PP.53-58
013006 1964 CEP TREATSURF
POOLBOIL
- ZHUANG;L. CUI;N. HUAN;Z.
"EXPERIMENTS OF POOL BOILING HEAT TRANSFER OF MACHINED

1982, PP.242-248
013128 1982
POOLBOIL

**

TRFATSURF

ZHUKOV;V.M. KAZAKOV;G.M. KOVALEV;S.A.
KUZMAKICHTA;Y.A.
"HEAT TRANSFER IN BOILING OF LIQUIDS ON SURFACES COATED WITH

LOW THERMAL CONDUCTIVITY FILMS"
HEAT TRANSFER - SOVIET RESEARCH, VOL.7, NO.3, 1975, PP.16-26
013046 1975 HTSR
POOLBOIL TREATSURF

TREATED SURFACES — FLOW BOILING

BERGLES;A.E. BAKHRU;N. SHIRES JR.;J.W.
 "COOLING OF HIGH-POWER-DENSITY COMPUTER COMPONENTS"
 MASSACHUSETTS INSTITUTE OF TECHNOLOGY ENGINEERING PROJECTS
 LABORATORY REPORT 70712-60, 1968
 013025 1968 MIT TREATSURF
 POOLBOIL FLOBOIL

BROWN JR.;W.T.
 "A STUDY OF FLOW SURFACE BOILING"
 PH.D. THESIS IN MECHANICAL ENGINEERING, MASSACHUSETTS
 INSTITUTE OF TECHNOLOGY, JANUARY 1967
 014001 1967 MIT TREATSURF
 FLOBOIL POOLBOIL

DANILOVA;G.N. GUYGO;E.I. BORISHANSKAYA;A.V.
 BUKIN;V.G. DYUNDIN;V.A. KOZYREV;A.A.
 MALKOV;L.S. MALYUGIN;G.I.
 "ENHANCEMENT OF HEAT TRANSFER DURING BOILING OF LIQUID
 REFRIGERANTS AT LOW HEAT FLUXES"
 HEAT TRANSFER - SOVIET RESEARCH, VOL.8, NO.4, 1976, PP.1-8
 013060 1976 HTSR TREATSURF
 ROUGHSURF POOLBOIL FLOBOIL

EDWARDS;J.A. HOFFMAN;H.W.
 "SUPERHEAT WITH BOILING ALKALI METALS"
 PROCEEDINGS OF THE CONFERENCE ON APPLICATION OF HIGH
 TEMPERATURE INSTRUMENTATION TO LIQUID-METAL EXPERIMENTS,
 ARGONNE NATIONAL LABORATORY REPORT ANL-7100, 1965,
 PP.515-534
 013009 1965 ANL TREATSURF
 ROUGHSURF POOLBOIL FLOBOIL

GOTTMANN;C.F. O'NEILL;P.S. MINTON;P.E.
 "HIGH EFFICIENCY HEAT EXCHANGERS"
 CHEMICAL ENGINEERING PROGRESS, VOL.69, NO.7, 1973, PP.69-75
 013044 1973 CEP TREATSURF
 EXTENDED SURF POOLBOIL FLOBOIL

LIN;Z.H. VEZIROGLU;T.N. KAKAC;S.
 GUERGENCE;H. MENTES;A.
 "HEAT TRANSFER IN OSCILLATING TWO-PHASE FLOWS AND EFFECT OF
 HEATER SURFACE CONDITIONS"
 HEAT TRANSFER 1982, VOL.5, HEMISPHERE PUBLISHING COMPANY,
 WASHINGTON, D.C., 1982, PP.331-336
 014011 1982 VIIHTC TREATSURF
 FLOBOIL

MACBETH;R.V.
 "BOILING ON SURFACES OVERLAYED WITH A POROUS DEPOSIT: HEAT
 TRANSFER RATES OBTAINABLE BY CAPILLARY ACTION"
 ATOMIC ENERGY ESTABLISHMENT WINFRITH REPORT NO.AEEW R711,
 JUNE 1971
 014010 1971 AEEW TREATSURF
 FLOBOIL SURFTENSION

MELNIKOV;V.N. BALABANOV;E.D.
 "INFLUENCE OF IRON OXIDE DEPOSITS ON CRITICAL HEAT FLUX WITH
 BOILING WATER"
 THERMAL ENGINEERING, VOL.25, NO.6, 1978, PP.15-17

014008 1978 TENG TREATSURF
 FLOBOIL

MILTON;R.M. GOTTMANN;C.F.
 "HIGH EFFICIENCY REBOILERS AND CONDENSERS"
 CHEMICAL ENGINEERING PROGRESS, VOL.68, NO.9, 1972, PP.56-61
 014005 1972 CEP TREATSURF
 FLOBOIL

MURPHY;R.W. BERGLES;A.E.
 "SUBCOOLED FLOW BOILING OF FLUOROCARBONS"
 MASSACHUSETTS INSTITUTE OF TECHNOLOGY ENGINEERING PROJECTS
 LABORATORY REPORT DSR NO. 71903-72, 1971
 014003 1971 MIT TREATSURF
 FLOBOIL

MURPHY;R.W. BERGLES;A.E.
 "SUBCOOLED FLOW BOILING OF FLUOROCARBONS--HYSTERESIS AND
 DISSOLVED GAS EFFECTS ON HEAT TRANSFER"
 PROCEEDINGS OF THE 1972 HEAT TRANSFER AND FLUID MECHANICS
 INSTITUTE, STANFORD UNIVERSITY PRESS, 1972, PP.400-416
 014004 1972 HTFMI TREATSURF
 FLOBOIL

NISHIKAWA;K. FUJII;T. YOSHIDA;S.
 "A STUDY ON BURNOUT IN THE GROOVED TUBES"
 JOURNAL OF JAPAN SOCIETY OF MECHANICAL ENGINEERS, VOL.75,
 1972, PP.700-707
 014007 1972 JJSME TREATSURF
 FLOBOIL

NISHIKAWA;K. FUJII;T. YOSHIDA;S.
 "FLOW BOILING CRISIS IN GROOVED BOILER TUBES"
 HEAT TRANSFER 1974, VOL.IV, 1974, THE JAPAN SOCIETY OF
 MECHANICAL ENGINEERS, TOKYO, PP.270-274
 014002 1974 VIHTC TREATSURF
 FLOBOIL

PANCHAL;C.B. HILLIS;D.L. THOMAS;A.
 "CONVECTIVE BOILING OF AMMONIA AND FREON 22 IN PLATE
 HEAT EXCHANGERS"
 ASME-JSME THERMAL ENGINEERING JOINT CONFERENCE PROCEEDINGS,
 HONOLULU, HAWAII, MARCH 1983, VOL.2, PP.261-268
 014012 1983 ** TREATSURF
 FLOBOIL

ROUVILLOIS;A.
 "HEAT TRANSFER IMPROVEMENT IN BOILING WATER REACTORS"
 EUROPEAN ATOMIC ENERGY COMMISSION REPORT EURAEC-1059, 1964
 014006 1964 ** TREATSURF
 FLOBOIL

ZEIGARNICK;Y.A. LITVINOV;V.D.
 "HEAT TRANSFER AND PRESSURE DROP IN SODIUM BOILING IN TUBES"
 NUCLEAR SCIENCE AND ENGINEERING, VOL.73, 1980, PP.19-28
 134001 1980 ** INJECTORSUCT
 FLOBOIL TREATSURF

ZEMANEK;J.
 "SEVERAL POSSIBILITIES OF INTENSIFICATION OF HEAT AND MASS
 TRANSFER IN TWO-PHASE FILM BOILING"
 ABSTRACT FROM THE FIFTH ALL-UNION HEAT AND MASS TRANSFER
 CONFERENCE, MINSK, USSR, 1976, P.103
 014009 1976 ** TREATSURF
 FLOBOIL

TREATED SURFACES -- CONDENSATION

- ABDELMESSIAH;A.H. ROTENBERG;Y. NEUMANN;A.W.
"AN EXPERIMENTAL STUDY OF THE EFFECTS OF SURFACE CHARACTERISTICS AND MATERIAL THERMAL PROPERTIES ON DROPWISE CONDENSATION"
PROCEEDING OF THE 30TH CANADIAN CHEMICAL ENGINEERING CONFERENCE, VOL.2, 1980, PP.366-384
015038 1980 ** TREATSURF
CONDENSATION
- ABDUL-HADI;M.I.
"DROPWISE CONDENSATION OF DIFFERENT STEAM-AIR MIXTURES ON SUBSTRATE MATERIALS"
CANADIAN JOURNAL OF CHEMICAL ENGINEERING, VOL.57, 1979, PP. 451-458
015035 1979 ** TREATSURF
CONDENSATION
- ABDUL-HADI;M.I.
"AN ANALYTICAL INVESTIGATION INTO DROPWISE CONDENSATION OF DIFFERENT STEAM-AIR MIXTURES ON SUBSTRATES OF VARIOUS MATERIALS"
CANADIAN JOURNAL OF CHEMICAL ENGINEERING, VOL.57, 1979, PP. 459-466
015036 1979 ** TREATSURF
CONDENSATION
- ANTONELLI;R. CHESNOY;A.B.
"APPLICATION OF ADVANCED HEAT-TRANSFER TECHNOLOGY TO THE CHEMICAL PROCESS INDUSTRY AND CONSEQUENT ENERGY SAVINGS"
PRESENTED AT THE VI CONVENCION NACIONAL DE LA INDUSTRIA QUIMICA, MADRID, SPAIN, DECEMBER 1976
013100 1976 ** TREATSURF
POOLBOIL EXTENDED SURF CONDENSATION
- ARAI;A. ARAI;N. FUSHIMA;T.
NAKAYAMA;W. FUJIE;K.
"HEAT TRANSFER CHARACTERISTICS OF "THERMOEXCEL" TUBES IN HEAT EXCHANGERS OF TURBO-REFRIGERATING MACHINES"
IIF-IIR COMMISSIONS B1, B2, AND B3, BELGRADE, YUGOSLAVIA, 1977, PP.15-20
013068 1977 ** TREATSURF
POOLBOIL CONDENSATION
- BIRT;D.C.P. BRUNT;J.J. SHELTON;J.T.
WATSON;R.G.H.
"METHODS OF IMPROVING HEAT TRANSFER FROM CONDENSING STEAM AND THEIR APPLICATION TO CONDENSERS AND EVAPORATORS"
TRANSACTIONS OF THE INSTITUTION OF CHEMICAL ENGINEERS, VOL.37, 1959, PP.289-296
095004 1959 ** MECHAID
TREATSURF CONDENSATION
- BROMLEY;L.A. PORTER;J.W. READ;S.M.
"PROMOTION OF DROP-BY-DROP CONDENSATION OF STEAM FROM SEAWATER ON A VERTICAL COPPER TUBE"
AMERICAN INSTITUTE OF CHEMICAL ENGINEERS JOURNAL, VOL.14, 1968, PP.245-250
015005 1968 AICHEJ TREATSURF
CONDENSATION
- BROWN;C.E. MATIN;S.A.
"THE EFFECT OF FINITE METAL CONDUCTIVITY ON THE CONDENSATION HEAT TRANSFER TO FALLING WATER RIVULETS ON VERTICAL HEAT TRANSFER SURFACES"
JOURNAL OF HEAT TRANSFER, VOL.93, 1971, PP.69-76
015010 1971 JHT TREATSURF
CONDENSATION
- CARY;J.D. MIKIC;B.B.
"THE INFLUENCE OF THERMOCAPILLARY FLOW ON HEAT TRANSFER IN FILM CONDENSATION"
JOURNAL OF HEAT TRANSFER, VOL.92, 1973, PP.21-24
015020 1973 JHT TREATSURF
CONDENSATION
- COX;R.B. PASCALE;A.S. MATTA;G.A.
STROMBERG;K.S.
"PILOT PLANT TESTS AND DESIGN STUDY OF A 2.5 MGD HORIZONTAL-TUBE MULTIPLE EFFECT (HTME) PLANT"
OFFICE OF SALINE WATER, RESEARCH AND DEVELOPMENT REPORT NO. 492, OCT. 1969
- 025010 1969 ** ROUGHSURF
CONDENSATION TREATSURF
- CROIX;J. HUYGHE;J.
"REDUCTION DES SURFACES D'ECHANGE DES CONDENSEURS PAR LA CONDENSATION EN GOUTTES"
CHIMIE - ACTUALITES, VOL.23, 1975, PP.39-41
015022 1975 ** TREATSURF
CONDENSATION
- CZIKK;A.M. O'NEILL;P.S.
"APPLICATION OF ENHANCED HEAT TRANSFER SURFACE TO VTE PROCESS PLANT"
PRESENTED AT OFFICE OF SALINE WATER SYMPOSIUM ON ENHANCED TUBES FOR DESALINATION PLANTS, MARCH 1969
013042 1969 OSW TREATSURF
POOLBOIL CONDENSATION ROUGHSURF
- CZIKK;A.M. FRICKE;H.D. GANIC;E.N.
SHARMA;B.I.
"FLUID DYNAMIC AND HEAT TRANSFER STUDIES OF OTEC HEAT EXCHANGERS"
PROCEEDINGS OF THE FIFTH OCEAN THERMAL ENERGY CONVERSION CONFERENCE, MIAMI BEACH, FLORIDA, 1978, PP.VI181-VI236
013078 1978 OTEC TREATSURF
POOLBOIL EXTENDED SURF CONDENSATION
- DEPEW;C.A. REISBIG;R.L.
"VAPOR CONDENSATION ON A HORIZONTAL TUBE USING TEFLON TO PROMOTE DROPWISE CONDENSATION"
INDUSTRIAL AND ENGINEERING CHEMISTRY, PROCESS DESIGN AND DEVELOPMENT, VOL.3, 1964, PP.365-369
015001 1964 ** TREATSURF
CONDENSATION
- DESMOND;R.M. KARLEKAR;B.V.
"EXPERIMENTAL OBSERVATIONS OF A MODIFIED CONDENSER TUBE DESIGN TO ENHANCE HEAT TRANSFER IN A STEAM CONDENSER"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO. 80-HT-53, 1980
015027 1980 ASME TREATSURF
CONDENSATION
- DETZ;C.M. VERMESH;R.J.
"NUCLEATION EFFECTS IN THE DROPWISE CONDENSATION OF STEAM ON ELECTROPLATED GOLD SURFACES"
AMERICAN INSTITUTE OF CHEMICAL ENGINEERS JOURNAL, VOL.22, 1976, PP.87-93
015024 1976 AICHEJ TREATSURF
CONDENSATION
- EDWARDS;J.A. DOOLITTLE;J.S.
"TETRAFLUOROETHYLENE PROMOTED DROPWISE CONDENSATION"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.8, 1965, PP.663-666
015003 1965 IJHMT TREATSURF
CONDENSATION
- ERB;R.A. THELEN;E.
"PROMOTING PERMANENT DROPWISE CONDENSATION"
INDUSTRIAL AND ENGINEERING CHEMISTRY, VOL.10, 1965, PP.49-52
015002 1965 IEC TREATSURF
CONDENSATION
- ERB;R.A. HAIGH;T.I. DOWNING;T.M.
"PERMANENT SYSTEMS FOR DROPWISE CONDENSATION FOR DISTILLATION PLANTS"
PRESENTED AT OFFICE OF SALINE WATER SYMPOSIUM ON ENHANCED TUBES FOR DESALINATION PLANTS, MARCH 1969
015006 1969 OSW TREATSURF
CONDENSATION
- GLICKSMAN;L.R. MIKIC;B.B. SNOW;D.F.
"AUGMENTATION OF FILM CONDENSATION ON THE OUTSIDE OF HORIZONTAL TUBES"
AMERICAN INSTITUTE OF CHEMICAL ENGINEERS JOURNAL, VOL.19, 1973, PP.636-637
015012 1973 AICHEJ TREATSURF
CONDENSATION
- GRAHAM;C. AERNI;W.F.

"DROPWISE CONDENSATION- A HEAT TRANSFER PROCESS FOR THE 70'S"

ASSOCIATION OF SENIOR ENGINEERS, NAVAL SHIP SYSTEMS COMMAND,
SEVENTH ANNUAL TECHNICAL SYMPOSIUM, 1970
015009 1970 ** TREATSURF
CONDENSATION

GRIFFITH;P. LEE;M.S.
"THE EFFECT OF SURFACE THERMAL PROPERTIES AND FINISH ON
DROPWISE CONDENSATION"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.10,
1967, PP.697-707
015004 1967 IJHMT TREATSURF
CONDENSATION

HANNEMANN;R.J.
"RECENT ADVANCES IN DROPWISE CONDENSATION THEORY"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.
77-WA/HT-21, 1977
015017 1977 ASME TREATSURF
CONDENSATION

HONDA;H. NOZU;S. MITSUMORI;K.
"AUGMENTATION OF CONDENSATION ON HORIZONTAL FINNED TUBES
BY ATTACHING A POROUS DRAINAGE PLATE"
ASME-JSME THERMAL ENGINEERING JOINT CONFERENCE PROCEEDINGS,
HONOLULU, HAWAII, MARCH 1983, VOL.3, PP.289-296
035134 1983 ** EXTENDED SURF
CONDENSATION TREATSURF

HORAZAK;D.A. RABAS;T.J.
"CAPITOL COST SYSTEM OPTIMIZATION OF OTEC POWER MODULES"
ENERGY TECHNOLOGY CONFERENCE, HOUSTON, TEXAS, NOVEMBER 1978
150064 1978 ** PERFORMANCE
TREATSURF ROUGHSURF EXTENDED SURF CONDENSATION

HOROWITZ;J.S. MIKIC;B.B.
"THE EFFECT OF SURFACE THERMAL PROPERTIES ON DROPWISE
CONDENSATION"
HEAT TRANSFER 1974, VOL.3, JAPAN SOCIETY OF MECHANICAL
ENGINEERS, TOKYO, 1974, PP.259-263
015019 1974 VIHTC TREATSURF
CONDENSATION

ILTSCHIEFF;S.
"CONCERNING TESTS FOR ACHIEVING DROP CONDENSATION WITH
FLUORINATED REFRIGERANTS"
KAELTECHNIK-KLIMATISIERUNG, VOL.23, 1971, PP.237-241
015011 1971 ** TREATSURF
CONDENSATION

ISACHENKO;V.P. MAL'TSEV;A.P. ZAKHARCHENKOV;V.N.
"HEAT TRANSFER WITH DROPWISE CONDENSATION OF STEAM ON A
SURFACE COVERED WITH POLYTETRAFLUOROETHYLENE"
THERMAL ENGINEERING, VOL.23, NO.6, 1977, PP.19-20
015041 1977 TENC TREATSURF
CONDENSATION

KAJIKAWA;T. TAKAZAWA;H. NISHIYAMA;K.
AGAWA;T. IIDAKA;H. AMANO;M.
"DEVELOPMENT OF ENHANCEMENT OF THE WORKING FLUID SIDE HEAT
TRANSFER FOR OTEC"
PROCEEDINGS OF THE SEVENTH OCEAN ENERGY CONFERENCE, CONF-
800633, VOL.2, 1980, PP.12.2-1 - 12.2-9
013113 1980 ** TREATSURF
POOLBOIL EXTENDED SURF CONDENSATION

LIU;C.Y. ISMAIL;K.A.R. EBINUMA;C.D.
"LAMINAR FILM CONDENSATION ON A POROUS VERTICAL WALL WITH
NON-UNIFORM NORMAL VELOCITY"
LETTERS IN HEAT AND MASS TRANSFER, VOL.8, 1981, NO.6,
PP.509-514
015039 1981 IJHMT TREATSURF
CONDENSATION

LUSTENADER;E.L. RICHTER;R. NEUGEBAUER;F.J.
"THE USE OF THIN FILMS FOR INCREASING EVAPORATION AND
CONDENSATION RATES IN PROCESS EQUIPMENT"
JOURNAL OF HEAT TRANSFER, VOL.81, 1959, PP.297-307
093008 1959 JHT MECH AID
POOLBOIL CONDENSATION TREATSURF EXTENDED SURF

MIKIC;B.B.

"ON MECHANISM OF DROPWISE CONDENSATION"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.12,
1969, PP.1311-1323
015007 1969 IJHMT TREATSURF
CONDENSATION

NIEZBORALA;J.M. HUYGHE;J.
"AMELIORATION DU TRANSFERT DE CHALEUR LORS DE LA
CONDENSATION DE LA VAPEUR D'EAU SUR DES TUBES HORIZONTAUX
PAR UTILISATION DE PROMOTEURS ORGANIQUES DE CONDENSATION EN
GOUTTES"
REVUE INFORMATIONS AERAIQUES ET THERMIQUES, NO.42, 1974
PP.3-29
015021 1974 ** TREATSURF
CONDENSATION

OBARA;J.T. KILLIAN;E.S. ROBLEE;H.S.
"DROPWISE CONDENSATION OF STEAM AT ATMOSPHERIC AND ABOVE
ATMOSPHERIC PRESSURES"
CHEMICAL ENGINEERING SCIENCE, VOL.22, 1967, PP.1305-1314
015015 1967 CES TREATSURF
CONDENSATION

OSMENT;B.D.J. TANNER;D.W.
"PROMOTERS FOR THE DROPWISE CONDENSATION OF STEAM"
DECHEMA MONOGRAPH, 1962, PP.145-174
015030 1962 ** TREATSURF
CONDENSATION

PERKINS;K.P.
"AN EXPERIMENTAL STUDY OF DROPWISE CONDENSATION ON VERTICAL
DISCS"
M.S. THESIS, NAVAL POSTGRADUATE SCHOOL, MONTEREY,
CALIFORNIA, DECEMBER 1979
015029 1979 ** TREATSURF
CONDENSATION

PONTER;A.B. DIAH;I.G.
"CONDENSATION OF VAPORS OF IMMISCIBLE BINARY LIQUIDS ON
HORIZONTAL COPPER AND POLYTETRAFLUOROETHYLENE-COATED COPPER
TUBES"
WAERME- UND STOFFUEBERTRAGUNG, VOL.7, 1974, PP.94-106
015014 1974 ** TREATSURF
CONDENSATION

ROSE;J.W.
"EFFECT OF CONDENSER TUBE MATERIAL ON HEAT TRANSFER DURING
DROPWISE CONDENSATION OF STEAM"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.21,
1978, 1978, PP.835-840
015031 1978 IJHMT TREATSURF
CONDENSATION

SAASKI;C.W. HARTL;J.H.
"HIGH PERFORMANCE HEAT PIPES FOR HEAT RECOVERY APPLICATIONS"
SIGMA RESEARCH, INC. FINAL REPORT FOR CONTRACT NO. NAS5-
25357, RICHLAND, WASHINGTON, SEPTEMBER 1979.
013084 1979 ** TREATSURF
POOLBOIL SWIRLFLO CONDENSATION

SATHER;N.F. LEWIS;L.G. LORENZ;J.J.
YUNG;D.
"PERFORMANCE TESTS OF 1 MWT OTEC HEAT EXCHANGERS"
PROCEEDINGS OF THE FIFTH OCEAN THERMAL ENERGY CONVERSION
CONFERENCE, VOL.3, 1978 PP.VI-1-VI-19
013079 1978 ** TREATSURF
POOLBOIL ROUGHSURF CONDENSATION

SHEKRILADZE;I.G. RUSISHVILI;D.G.
"HEAT TRANSFER IN CONDENSATION ON CAPILLARY SURFACES"
HEAT TRANSFER - SOVIET RESEARCH, VOL.12, NO.4, 1980, PP.
48-49
015037 1980 HTSR TREATSURF
CONDENSATION

SKEKRILDZE;I.G. RUSISHVILI;D.G.
"EXPERIMENTAL INVESTIGATION OF HEAT TRANSFER IN EVAPORATION
AND CONDENSATION PROCESSES ON CAPILLARY SURFACES"
JOURNAL OF ENGINEERING PHYSICS, VOL.38, NO.5, 1980, PP.485-

490
013114 1980 ** TREATSURF
POOLBOIL CONDENSATION

SNOW;F.D.
"AUGMENTATION OF FILM CONDENSATION ON THE OUTSIDE OF
HORIZONTAL TUBES"
S.M. THESIS IN MECHANICAL ENGINEERING, MASSACHUSETTS
INSTITUTE OF TECHNOLOGY, AUGUST 1969
015008 1969 MIT TREATSURF
CONDENSATION

STYLIANOU;S.A. ROSE;J.W.
"DROPWISE CONDENSATION OF SURFACES HAVING DIFFERENT THERMAL
CONDUCTIVITIES"
CONDENSATION HEAT TRANSFER, AMERICAN SOCIETY OF
MECHANICAL ENGINEERS, NEW YORK, 1979, PP.69-77
015026 1979 ASME TREATSURF
CONDENSATION

TANASAWA;I.
"DROPWISE CONDENSATION: THE WAY TO PRACTICAL APPLICATIONS"
HEAT TRANSFER 1978, HEMISPHERE PUBLISHING CORPORATION,
WASHINGTON, D.C., 1978, PP. 393-405.
015028 1978 VIHTC TREATSURF
CONDENSATION

TANNER;D.W. POPE;D. POTTER;C.J.
WEST;D.
"HEAT TRANSFER IN DROPWISE CONDENSATION - PART II, SURFACE
CHEMISTRY"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.8,
1965, PP.427-436
015018 1965 IJHMT TREATSURF
CONDENSATION

THOMAS;A. HILLIS;D. PANCHAL;C.
LORENZ;J. YUNG;D. SATHER;N.
"EXPERIMENTAL TESTS OF 1 MWT OTEC HEAT EXCHANGERS AT ARGONNE
NATIONAL LABORATORY"
PROCEEDINGS OF THE SEVENTH OCEAN ENERGY CONFERENCE, CONF-
800633, VOL.2, 1980, PP.12.1-1 - 12.1-8
013112 1980 ** TREATSURF
POOLBOIL EXTENDED SURF CONDENSATION

VYLKOV;V.T.
"HEAT TRANSFER INTENSIFICATION DURING DROPWISE CONDENSATION
OF ORGANIC LIQUIDS"
HEAT AND MASS TRANSFER SOURCEBOOK: FIFTH ALL-UNION
CONFERENCE, MINSK, USSR, SCRIPTA PUBLISHING COMPANY, 1977,
PP.134-141
015032 1977 ** TREATSURF
CONDENSATION

WEILER;D.K. CZIKK;A.M. PAUL;R.S.
"CONDENSATION IN SMOOTH AND POROUS COATED TUBES UNDER MULTI-
G ACCELERATIONS"
CHEMICAL ENGINEERING PROGRESS SYMPOSIUM SERIES, VOL.62,
NO.64, 1966, PP.143-149
015013 1965 AIChE TREATSURF
CONDENSATION MECHAID

WILMSHURST;R. ROSE;J.W.
"DROPWISE CONDENSATION - FURTHER HEAT-TRANSFER MEASUREMENTS"
HEAT TRANSFER 1970, VOL.VI, PAPER CS 1.4, ELSEVIER PUBLISH-
ING COMPANY, AMSTERDAM, 1970
015016 1970 VIHTC TREATSURF
CONDENSATION

WOODRUFF;D.W. WESTWATER;J.W.
"STEAM CONDENSATION ON VARIOUS GOLD SURFACES"
JOURNAL OF HEAT TRANSFER, VOL. 103, 1981, PP. 685-692
015033 1981 JHT TREATSURF
CONDENSATION

WOODRUFF;D.W.
"GOLD SURFACES FOR DROPWISE CONDENSATION"
DISSERTATION, UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN,
1980
015034 1980 ** TREATSURF
CONDENSATION
NHC

WOODRUFF;D.W. WESTWATER;J.W.
"STEAM CONDENSATION ON ELECTROPLATED GOLD: EFFECT OF
PLATING THICKNESS"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.
22, 1979, PP.629-632
015040 1979 IJHMT TREATSURF
CONDENSATION

ROUGH SURFACES — NATURAL CONVECTION

AL-ARABI;M. EL-REFAEE;M.M.
 "HEAT TRANSFER BY NATURAL CONVECTION FROM CORRUGATED PLATES
 TO AIR"
 INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.21,
 1978, PP.357-359
 021003 1978 IJHMT ROUGHSURF
 1NATCONV

BERGLES;A.E.
 "HEAT TRANSFER CHARACTERISTICS OF TURBOTEC TUBING"
 HEAT TRANSFER LABORATORY REPORT NO. HTL-24,
 ISU-ERI-AMES-81018, IOWA STATE UNIVERSITY, 1980
 000085 1980 ISU LITSURVEY
 ROUGHSURF EXTENDED SURF 1NATCONV 1FORCECONV
 CONDENSATION MASSTRAN

ELSHERBINY;S.M. HOLLANDS;K.G.T. RAIYHBY;G.D.
 "FREE CONVECTION ACROSS INCLINED AIR LAYERS WITH ONE SURFACE
 V-CORRUGATED"
 JOURNAL OF HEAT TRANSFER, VOL.100, 1978, PP.410-415
 021005 1978 JHT ROUGHSURF
 1NATCONV

FUJII;J. FUJII;M. TAKENCHI;M.
 "INFLUENCE OF VARIOUS SURFACE ROUGHNESS ON THE NATURAL
 CONVECTION"

INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.16,
 1973, PP.629-640
 021002 1973 IJHMT ROUGHSURF
 1NATCONV

HEYA;N. TAKEUCHI;M. FUJII;T.
 "INFLUENCE OF SURFACE ROUGHNESS ON FREE-CONVECTION HEAT
 TRANSFER FROM A HORIZONTAL CYLINDER"
 CHEMICAL ENGINEERING JOURNAL, VOL.23, 1982, NO.2, PP.185-192
 021006 1982 CEJ ROUGHSURF
 1NATCONV

JOFRE;R.J. BARRON;R.F.
 "FREE-CONVECTION HEAT TRANSFER TO A ROUGH PLATE"
 AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.
 67-WA/HT-38, 1967
 021001 1967 ASME ROUGHSURF
 1NATCONV

RAMAKRISHNA;K. SEETHANANU;K.N. SARMA;P.K.
 "TURBULENT HEAT TRANSFER BY FREE CONVECTION FROM A ROUGH
 SURFACE"
 JOURNAL OF HEAT TRANSFER, VOL.100, 1978, PP.727-729
 021004 1978 JHT ROUGHSURF
 1NATCONV

ROUGH SURFACES — FORCED CONVECTION

- ABDULHADI;R.S. CHATO;J.C.
"FLOW AND HEAT TRANSFER IN CONVECTIVELY COOLED UNDERGROUND
ELECTRIC CABLE SYSTEMS: PART 2 - TEMPERATURE DISTRIBUTIONS
AND HEAT TRANSFER CORRELATIONS"
JOURNAL OF HEAT TRANSFER, VOL.100, 1978, PP.36-40
022195 1978 JHT ROUGHSURF
1FORCECONV
- ABRAMIDZE;S.P. GARSEVANISHVILI;G.N.YELISEYEV;L.A.
KIKNADZE;G.N. LITVINOV;B.I.
"STUDY OF THE FEASIBILITY OF INCREASING THE POWER OF WATER-
COOLED REACTORS BY THE INTENSIFICATION OF HEAT EXCHANGE AS A
RESULT OF ARTIFICIAL ROUGHNESS"
ATOMNAYA ENERGIYA, VOL.27, 1969, PP.547-549. TRANSLATED AS
AD-715 461, DECEMBER 1970
022177 1970 ** ROUGHSURF
1FORCECONV
- ACHENBACH;E.
"EVALUATION OF MEASUREMENTS OF THE LOCAL AND TOTAL HEAT
TRANSFER FROM SMOOTH AND ROUGH SURFACE CYLINDERS IN CROSS
FLOW"
IN HEAT AND MASS TRANSFER SOURCE BOOK: FIFTH ALL-UNION CON-
FERENCE, MINSK, SCRIPTA PUBLISHING COMPANY, WASHINGTON,
1977, PP.1-4
022262 1977 ** ROUGHSURF
1FORCECONV
- ACHENBACH;E.
"THE EFFECT OF SURFACE ROUGHNESS ON THE HEAT TRANSFER FROM A
CIRCULAR CYLINDER TO THE CROSS FLOW OF AIR"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.20, 1977,
PP.359-370
022154 1977 IJHMT ROUGHSURF
1FORCECONV
- ACHENBACH;E.
"HEAT TRANSFER FROM SMOOTH AND ROUGH SURFACED CIRCULAR
CYLINDERS IN A CROSS-FLOW"
HEAT TRANSFER 1974, VOL.2, JAPAN SOCIETY OF MECHANICAL
ENGINEERS, TOKYO, 1974, PP.229-233
022378 1974 VIHTC ROUGHSURF
1FORCECONV
- AIBA;S. OTA;T. TSUCHIDA;H.
"HEAT TRANSFER AND FLOW AROUND A CIRCULAR CYLINDER WITH
TRIPPING WIRES"
WAERME UND STOFFUEBERTRAGUNG, VOL.12, 1979, PP.221-231
022306 1979 ** ROUGHSURF
1FORCECONV
- AIBA;S. OTA;S. TSUCHIDA;H.
"A NOTE ON AN IMPROVEMENT OF HEAT TRANSFER OF TUBE BANKS"
WAERME UND STOFFUEBERTRAGUNG, VOL.17, 1982, PP.59-64
022361 1982 ** ROUGHSURF
1FORCECONV
- ANAND;R.K. ALI;S.
"EFFECT OF WIRE WINDING ON THE PERFORMANCE OF A HEAT
EXCHANGER TUBE"
PROCEEDINGS FIFTH NATIONAL HEAT AND MASS TRANSFER
CONFERENCE, HYDERBAD, INDIA, FEBRUARY 1980
022286 1980 ** ROUGHSURF
1FORCECONV
- ANKUDINOV;V.B. KURGANOV;V.A.
"INTENSIFICATION OF DETERIORATED HEAT TRANSFER IN HEATED
TUBES AT SUPERCRITICAL PRESSURES"
HIGH TEMPERATURE, VOL.19, NO.6, 1981, PP.870-874
022385 1981 ** ROUGHSURF
1FORCECONV
- ANONYMOUS
"CALDER HALL HEAT TRANSFER"
NUCLEONICS, VOL.14, 1956, PP.516-518
032046 1956 ** EXTENDED SURF
ROUGHSURF 1FORCECONV
- ANONYMOUS
"A 1000 MW(F) GAS-COOLED FAST REACTOR STUDY FOR THE
ALTERNATE COOLANT TASK FORCE"
- GENERAL ATOMIC REPORT GA-7804, 1967
022313 1967 ** ROUGHSURF
1FORCECONV
- ANONYMOUS
"ENHANCED HEAT TRANSFER TUBES FOR SEAWATER DISTILLATION
(DESALINATION)"
TECHNICAL BULLETIN NO.17, YORKSHIRE IMPERIAL METALS LIMITED,
LEEDS, ENGLAND, AUGUST, 1973
035052 1973 ** EXTENDED SURF
CONDENSATION ROUGHSURF 1FORCECONV FLOBOIL
- ANONYMOUS
"EXPLORATION OF HIGH PERFORMANCE HEAT TRANSFER SURFACES"
HITACHI MECHANICAL ENGINEERING RESEARCH LABORATORY,
TSCHIURA-CHI, JAPAN, SPECIAL RESEARCH REPORT 73823-4-1,
OCTOBER 15, 1974
022275 1974 ** ROUGHSURF
1FORCECONV CONDENSATION
- ANONYMOUS
"TROCKENKUEHLUNG MIT VERBESSERTEN KUEHLROEHREN"
BRENNSTOFF-WAERME-KRAFT, VOL.30, NO.5, 1979, P.199
022276 1978 ** ROUGHSURF
1FORCECONV
- ARAI;N. FUKUSHIMA;T. ARAI;A.
NAKAJIMA;T. FUJIE;K. NAKAYAMA;Y.
"HEAT TRANSFER TUBES ENHANCING BOILING AND CONDENSATION IN
HEAT EXCHANGER OF A REFRIGERATING MACHINE"
ASHRAE TRANSACTIONS, VOL.83, PT.2, 1977, PP.58-70
023008 1977 ASHRAE ROUGHSURF
POOLBOIL CONDENSATION 1FORCECONV
- ARAID;F.F. AWAD;M.M. MANSOUR;H.
"HEAT TRANSFER AND HYDRODYNAMIC RESISTANCE OF GASEOUS
PLATE HEAT EXCHANGERS TYPE 'DIVERGENT-CONVERGENT'
SURFACES"
ASME-JSME THERMAL ENGINEERING JOINT CONFERENCE PROCEEDINGS;
HONOLULU, HAWAII, MARCH 1983, VOL.3, PP.443-446
022362 1983 ** ROUGHSURF
1FORCECONV
- ARAID;F.F. AWAD;M.M. EL-HADIK;A.A.
"HEAT TRANSFER AND HYDRODYNAMIC RESISTANCE IN COMPACTING
PLATE HEAT EXCHANGER TYPE 'DIVERGENT-CONVERGENT' SURFACES"
ASME-JSME THERMAL ENGINEERING JOINT CONFERENCE PROCEEDINGS,
HONOLULU, HAWAII, MARCH 1983, VOL.3, PP.437-441
022363 1983 ** ROUGHSURF
1FORCECONV
- ARWIKAR;K. FRENCH;H.
"HEAT TRANSFER, MOMENTUM LOSSES AND FLOW MIXING IN A 61-TUBE
BUNDLE WITH WIRE-WRAP"
NUCLEAR ENGINEERING AND DESIGN, VOL. 55, 1979, PP. 403-417
022278 1979 ** ROUGHSURF
1FORCECONV
- AYTEKIN;A. BERGER;F.P.
"TURBULENT FLOW IN RECTANGULAR DUCTS WITH LOW ASPECT RATIOS
HAVING ONE ROUGH WALL"
NUCLEAR ENERGY, VOL.18, NO.1, 1979, PP.53-63
022269 1979 ** ROUGHSURF
1FORCECONV
- BANERIAN;G. MC KILLOP;A.A.
"EFFECTS OF SURFACE ROUGHNESS IN NOZZLES ON HEAT TRANSFER"
HEAT TRANSFER 1974, VOL.11, THE JAPAN SOCIETY OF MECHANICAL
ENGINEERS, TOKYO 1974, PP.234-238
022179 1974 VIHTC ROUGHSURF
1FORCECONV
- BELYAKOV;V.P. BUDRIK;V.V. DUDKIN;I.E.
"HYDRAULIC RESISTANCE AND HEAT TRANSFER IN REGULAR ROUGHNESS
CHANNELS"
ABSTRACT FROM THE SIXTH ALL-UNION HEAT AND MASS TRANSFER
CONFERENCE, MINSK, USSR, 1980, P. 5
022280 1980 ** ROUGHSURF
1FORCECONV
- BENNETT;A.W. KEARSEY;H.A.

"HEAT TRANSFER AND PRESSURE DROP FOR SUPERHEATED STEAM FLOWING THROUGH AN ANNULUS WITH ONE ROUGHENED SURFACE" ATOMIC ENERGY RESEARCH ESTABLISHMENT REPORT AERE-R 4350, JULY 1964

022031 1964 AERE ROUGHSURF
1FORCECONV

BERGER;F.P. WHITEHEAD;S.W.
"FLUID FLOW AND HEAT TRANSFER IN TUBES WITH INTERNAL SQUARE RIB ROUGHENING"
JOURNAL OF THE BRITISH NUCLEAR ENERGY SOCIETY, VOL.16, 1977, PP.153-160

022260 1977 ** ROUGHSURF
1FORCECONV

BERGLES;A.E. BROWN JR.;G.S. LEE;R.A.
SIMONDS;R.R. SNIDER;G.S.
"INVESTIGATION OF HEAT TRANSFER AUGMENTATION THROUGH USE OF INTERNALLY FINNED AND ROUGHENED TUBES (FINAL REPORT)" MASSACHUSETTS INSTITUTE OF TECHNOLOGY ENGINEERING PROJECTS LABORATORY REPORT NO.70790-69, 1969

032014 1969 MIT EXTENDED SURF
ROUGHSURF 1FORCECONV

BERGLES;A.E.
"HEAT TRANSFER CHARACTERISTICS OF TURBOTEC TUBING"

HEAT TRANSFER LABORATORY REPORT NO. HTL-24, ISU-ERI-AMES-81018, IOWA STATE UNIVERSITY, 1980

000085 1980 ISU LITSURVEY
ROUGHSURF EXTENDED SURF 1NATCONV 1FORCECONV
CONDENSATION MASSTRAN

BERGLES;A.E. LEE;R.A. MIKIC;B.B.
"HEAT TRANSFER IN ROUGH TUBES WITH TAPE-GENERATED SWIRL FLOW"

JOURNAL OF HEAT TRANSFER, VOL.91, 1969, PP.443-445
142002 1969 JHT COMPOUNDTECH
SWIRLFLO ROUGHSURF 1FORCECONV

BETTERMANN;D.
"CONTRIBUTION A L'ETUDE DE LA CONVECTION FORCEE TURBULENTE LE LONG DE PLAQUES RUGUEUSES"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.9, 1966, PP.153-164

022044 1966 IJHMT ROUGHSURF
1FORCECONV

BHATTACHARYYA;A.
"HEAT TRANSFER AND PRESSURE DROP WITH ROUGH SURFACES, A LITERATURE SURVEY"

AE-141, 1964
000021 1964 ** LITSURVEY
ROUGHSURF 1FORCECONV

BLAKE;W.K.
"TURBULENT BOUNDARY LAYER WALL PRESSURE FLUCTUATIONS ON SMOOTH AND ROUGH WALLS"
MASSACHUSETTS INSTITUTE OF TECHNOLOGY ENGINEERING PROJECTS LABORATORY REPORT NO.70208-1, 1969

022104 1969 MIT ROUGHSURF
1FORCECONV

BLUMENKRANTZ;A. TABOREK;J.
"HEAT TRANSFER AND PRESSURE DROP CHARACTERISTICS OF TURBOTEC SPIRALLY GROOVED TUBES IN THE TURBULENT REGIME"
HEAT TRANSFER RESEARCH INC., REPORT 2439-300-7, 1970

022105 1970 HTRI ROUGHSURF
1FORCECONV

BLUMENKRANTZ;A. YARDEN;A. TABOREK;J.
"PERFORMANCE PREDICTION AND EVALUATION OF PHELPS DODGE SPIRALLY GROOVED TUBES. INSIDE TUBE FLOW PRESSURE DROP AND HEAT TRANSFER IN TURBULENT REGIME"

HEAT TRANSFER RESEARCH INC., REPORT 2439-300-4, 1969
022117 1969 HTRI ROUGHSURF
1FORCECONV

BLUMENKRANTZ;A.R. TABOREK;J.
"HEAT TRANSFER AND PRESSURE DROP PERFORMANCE OF TURBOTEC SPIRALLY-GROOVED TUBE IN THE LAMINAR AND TRANSITION REGIME"
HEAT TRANSFER RESEARCH INC., REPORT 2439-300-8, 1971

022135 1971 HTRI ROUGHSURF
1FORCECONV

BOELTER;L.M.K. YOUNG;G. GREENFIELD;M.L.
SANDERS;V.D. MORGAN;M.

"AN INVESTIGATION OF AIRCRAFT HEATERS XXXVII- EXPERIMENTAL DETERMINATION OF THERMAL AND HYDRODYNAMICAL BEHAVIOR OF AIR FLOWING ALONG A FLAT PLATE CONTAINING TURBULENCE PROMOTERS"

NACA TN 2517, 1951
022005 1951 ** ROUGHSURF
1FORCECONV

BOGOLYUBOV;Y.N. GAMBARYANTS;L.A. GRIGOR'EV;G.V.
DEREYVANKO;A.S. PETRUSHIN;E.D.

"RESULTS OF INDUSTRIAL APPLICATION OF SPIRALLY CORRUGATED (SHAPED) TUBES IN THE CONDENSER OF THE LENENERGO NO. 7 POWER PLANT'S PT-25-90/10 TURBINE"
ENERGOMASHINOSTROENIE, NO. 4, 1977, PP. 35-36

025037 1977 ** ROUGHSURF
CONDENSATION 1FORCECONV

BOGOLYUBOV;Y.N. BUGLAEV;V.T. LIFSHITS;M.N.
KHRAPOV;B.I.

"THERMAL AND FLUID DYNAMICAL PARAMETERS OF BANKS OF HELICAL TUBES IN CROSS FLOW OF AIR"

PROMYSLENNAYA TEPLOTEKHNIKA, VOL.2, NO.1, 1980, PP.12-14
022352 1980 ** ROUGHSURF

1FORCECONV

BOGOLYUBOV;Y.N. LIFSHITS;M.N. GRIGOREV;G.V.
"RESULTS OF INVESTIGATION AND INDUSTRIAL INTRODUCTION OF HELICALLY PROFILED TUBES"

ABSTRACTED IN THERMAL ENGINEERING, VOL.28, 1981, P.434
022352 1981 TENG ROUGHSURF

1FORCECONV

BOLLA;G. DE GIORGIO;G. PEDROCCHI;E.
"HEAT TRANSFER AND PRESSURE DROP COMPARISON IN TUBES WITH TRANSVERSE RIBS AND WITH TWISTED TAPES"

ENERGIA NUCLEARE, VOL.20, 1973, PP.604-613
052047 1973 ** SWIRLFLO
ROUGHSURF 1FORCECONV

BOLLE;L. WALTERS;P. MESTREZ;J.
MICHEL;A.

"EXPERIMENTAL DETERMINATION OF THE LOCAL TRANSVERSE MIXING IN A ROD BUNDLE WITH HELICAL WIRE SPACERS"

PROCEEDINGS INTERNATIONAL MEETING ON REACTOR HEAT TRANSFER, GESELLSCHAFT FUER KERNFORSCHUNG, KARLSRUHE, 1973, PP.39-53
022128 1973 ** ROUGHSURF
1FORCECONV

BOVA;V.I. GORENSHTEIN;I.G. GUREVICH;I.I.
KITSIS;B.E. KRASHNIKOVA;V.K. PRONKO;V.G.

USANOV;V.V. SHNAIDERMAN;V.I.
"A HEAT EXCHANGER MADE FROM TUBES RIBBED WITH WIRE FOR AN AK-0.6 AIR SEPARATION UNIT"

CHEMICAL AND PETROLEUM ENGINEERING, VOL.16, 1980, NO.7-8, PP.410-411
022354 1980 CPE ROUGHSURF
1FORCECONV

BRAGINA;O.N. LELCHUK;V.L. SOROKIN;A.G.
SHUYSKAYA;K.F.

"EXPERIMENTAL STUDY OF THE ENHANCEMENT OF HEAT TRANSFER FROM A TUBE BUNDLE IN TURBULENT AXIAL FLOW"
HEAT TRANSFER-SOVIET RESEARCH, VOL.13, NO.4, 1981, PP.14-18
022281 1980 ** ROUGHSURF
1FORCECONV

BRANDON;C.A. KIDD JR.;G.J.
"IN-PILE HEAT-TRANSFER STUDIES OF ROUGHENED HELIUM-COOLED REACTOR FUEL ELEMENTS"

NUCLEAR SCIENCE AND ENGINEERING, VOL.32, 1968, PP.8-15
022061 1968 ** ROUGHSURF
1FORCECONV

BRANDON;C.A. KIDD;G.J.
"IN-PILE HEAT TRANSFER STUDIES OF ROUGHENED HELIUM-COOLED REACTOR FUEL ELEMENTS"

AMERICAN NUCLEAR SOCIETY TRANSACTIONS, VOL.10, 1967,
PP.651-652

022188 1967 ** ROUGHSURF
1FORCECONV

BRAUER;H.
"STROMUNGSWIDERSTAND UND WAERMEUEBERGANG BEI RINGSPALTEN
MIT RAUHEN KERNROEHREN"

MANNESMAN FORSCHUNGSBERICHTE 109/1961, 1961. ATOMKERN-
ENERGIE NO.4, 1961. AAEC/TRANS. 13.

022018 1961 ** ROUGHSURF
1FORCECONV

BREMHORST;K. BULLOCK;K.J.
"RESPONSE OF FULLY DEVELOPED PIPE FLOW TO WALL-ATTACHED
RING TYPE ROUGHNESS ELEMENT"

NUCLEAR ENGINEERING AND DESIGN, VOL.70, 1982,, PP.253-260
022368 1982 ** ROUGHSURF
1FORCECONV

BROUILLETTE;E.C. MIFFLIN;T.R. MYERS;J.E.
"HEAT TRANSFER AND PRESSURE DROP CHARACTERISTICS OF INTER-
NAL FINNED TUBES"

AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.
57-A-47, 1957

022142 1957 ASME ROUGHSURF
1FORCECONV

BURCK;E.
"INFLUENCE OF THE PRANDTL NUMBER ON HEAT TRANSFER AND
PRESSURE DROP OF ARTIFICIALLY ROUGHENED CHANNELS"

WAERME- UND STOFFUEBERTRAGUNG, VOL.2, 1969, PP.87-98
022066 1969 ** ROUGHSURF
1FORCECONV

BURCK;E.
"THE INFLUENCE OF PRANDTL NUMBER ON HEAT TRANSFER AND
PRESSURE DROP OF ARTIFICIALLY ROUGHENED CHANNELS"
AUGMENTATION OF CONVECTIVE HEAT AND MASS TRANSFER,
AMERICAN SOCIETY OF MECHANICAL ENGINEERS, NEW YORK, 1970,
PP.27-35

022082 1970 ACHMT ROUGHSURF
1FORCECONV

BURGGRAB;F.
"EXPERIMENTAL HEAT TRANSFER AND PRESSURE DROP WITH TWO-
DIMENSIONAL DISCRETE PROMOTERS APPLIED TO OPPOSITE WALLS
OF A SQUARE TUBE"

AUGMENTATION OF CONVECTIVE HEAT AND MASS TRANSFER,
AMERICAN SOCIETY OF MECHANICAL ENGINEERS, NEW YORK, 1970,
PP.70-79

022077 1970 ACHMT ROUGHSURF
1FORCECONV

CARNAVOS;T.C.
"HEAT TRANSFER PERFORMANCE OF INTERNALLY FINNED TUBES IN
TURBULENT FLOW"

HEAT TRANSFER ENGINEERING, VOL.1, NO.4, 1980, PP.32-37
022184 1980 HTE ROUGHSURF
1FORCECONV

CASAL;V. WAGGOTT;R.
"THE INFLUENCE OF GEOMETRICALLY DEFINED ROUGHNESS ON HEAT
TRANSFER AND PRESSURE DROP IN AXIAL-FLOW SEVEN-ROD CLUSTERS"

EURFNR-664, KFK 808, EUR3966D, 1968
022202 1968 ** ROUGHSURF
1FORCECONV
NHC

CESNA;B. SURVILA;V. ADOMAITIS;V.
"EFFECT OF SURFACE TURBULIZERS ON THE LOCAL HEAT TRANSFER OF
A CYLINDER IN LONGITUDINAL FLOW"

LIETUVOS TSR MOKSLU, AKADEMIJOS DARBAI, SERIJAC B., VOL.97,
NO.6, 1976, PP.49-55

022159 1976 ** ROUGHSURF
1FORCECONV
NHC

CHASHCHIN;F.
"THE EFFECT OF FIN HEIGHT AND PITCH ON HEAT EXCHANGE AND
HYDRAULIC RESISTANCE"

THERMAL ENGINEERING, VOL.11, NO.10, 1964, PP.73-75

022101 1964 TENG ROUGHSURF
1FORCECONV

CHESNA;B.A. SURVILA;V.Y. ADOMAITIS;E.I.
"EFFECT OF SURFACE TURBULIZERS ON THE LOCAL HEAT TRANSFER
RATE AT A CYLINDER IN A LONGITUDINAL STREAM OF AIR"

INTERNATIONAL CHEMICAL ENGINEERING, VOL.19, 1979, PP.276-280
022338 1979 ICE ROUGHSURF
1FORCECONV

CHRISTENSEN;E.R.
"SURFACE ROUGHENED FUEL RODS IN LARGE, FAST GAS-COOLED
REACTORS"

JOURNAL OF NUCLEAR ENERGY, VOL.24, 1970, PP.573-576
022203 1970 ** ROUGHSURF
1FORCECONV

COLEMAN;H.W. MOFFAT;R.J. KAYS;W.M.
"HEAT TRANSFER IN THE ACCELERATED FULLY ROUGH TURBULENT
BOUNDARY LAYER"

JOURNAL OF HEAT TRANSFER, VOL.103, 1981, PP.153-158
022170 1981 JHT ROUGHSURF
1FORCECONV

COPE;W.F.
"THE FRICTION AND HEAT TRANSMISSION COEFFICIENTS OF ROUGH
PIPES"

PROCEEDINGS INSTITUTION OF MECHANICAL ENGINEERS, VOL.145,
1941, PP.99-105

022003 1941 PIME ROUGHSURF
1FORCECONV

CUR;N. SPARROW;E.M.
"MEASUREMENTS OF DEVELOPING AND FULLY DEVELOPED HEAT
TRANSFER COEFFICIENTS ALONG A PERIODICALLY INTERRUPTED
SURFACE"

JOURNAL OF HEAT TRANSFER, VOL. 101, 1979, PP. 211-216
022246 1978 JHT ROUGHSURF
1FORCECONV

CUR;N. SPARROW;E.M.
"EXPERIMENTS ON HEAT TRANSFER AND PRESSURE DROP FOR A PAIR
OF COLINEAR, INTERRUPTED PLATES ALIGNED WITH THE FLOW"

INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.21,
1978, PP.1069-1080

022255 1978 IJHMT ROUGHSURF
1FORCECONV

DALLE DONNE;M. MEERWALD;E.
"ALTERNATE STUDS. A NEW TYPE OF ARTIFICIAL ROUGHNESS TO
IMPROVE THE PERFORMANCE OF A GAS-COOLED REACTOR"

TRANSACTIONS OF AMERICAN NUCLEAR SOCIETY, VOL.15, NO.2,
1973, PP.846-847

022114 1973 ANS ROUGHSURF
1FORCECONV

DALLE DONNE;M. HUDINA;M. HUGGENBERGER;M.
MEYER;L. REHME;K.

"EIR, KFK JOINT HEAT TRANSFER EXPERIMENT ON A SINGLE ROD,
ROUGHENED WITH TRAPEZOIDAL ROUNDED RIBS AND COOLED BY
VARIOUS GASES"

KERNFORSCHUNGSZENTRUM KARLSRUHE REPORT NO.KFK 2674, EUR
5755E, EIR-BERICHT NR.349, OCTOBER 1978

022258 1978 ** ROUGHSURF
1FORCECONV

DALLE DONNE;M. MEYER;L.
"TURBULENT CONVECTIVE HEAT TRANSFER FROM ROUGH SURFACES WITH
TWO-DIMENSIONAL RECTANGULAR RIBS"

INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.20, 1977,
PP.583-620

022153 1977 IJHMT ROUGHSURF
1FORCECONV

DALLE DONNE;M. MEERWALD;E.
"HEAT TRANSFER FROM SURFACE ROUGHENED BY THREAD-TYPE RIBS AT
HIGH TEMPERATURES"

PROCEEDINGS OF THE 1970 HEAT TRANSFER AND FLUID MECHANICS
INSTITUTE, STANFORD UNIVERSITY PRESS, 1970, PP.354-370

022165 1970 HTFMI ROUGHSURF

1FORCECONV

DALLE DONNE;M.

"WAERMEUEBERGANG VON RAUHEN OBERFLAECHEEN"

KERNFORSCHUNGSZENTRUM KARLSRUHE REPORT 2397, EUR5506D,
JANUARY 1977022172 1977 ** ROUGHSURF
1FORCECONV

DALLE DONNE;M. MEYER;L.

"CONVECTIVE HEAT TRANSFER FROM ROUGH SURFACES WITH TWO-
DIMENSIONAL RIBS: TRANSITIONAL AND LAMINAR FLOW"
KERNFORSCHUNGSZENTRUM KARLSRUHE REPORT 2566, EUR5751E,
JANUARY 1978022189 1978 ** ROUGHSURF
1FORCECONV

DALLE DONNE;M.

"CONVECTIVE HEAT TRANSFER FROM ROUGH SURFACES"

TURBULENT FORCED CONVECTION IN CHANNELS AND BUNDLES, VOL. 2,
HEMISPHERE PUBLISHING CORPORATION, WASHINGTON, AND MC GRAW-
HILL INTERNATIONAL BOOK COMPANY, NEW YORK, 1979, PP.911-937022270 1978 ** ROUGHSURF
1FORCECONV

DALLE DONNE;M. MARTELLI;A.

REHME;K.

"THERMO-FLUID-DYNAMIC EXPERIMENTS WITH GAS COOLED BUNDLES OF
ROUGH RODS AND THEIR EVALUATION WITH COMPUTER CODE SAGAPO"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.22, 1979
PP.1355-1374022273 1979 IJNMT ROUGHSURF
1FORCECONV

DALLE DONNE;M.

"HEAT TRANSFER FROM ROUGH SURFACES: SOME CONSIDERATIONS ON
THE ASSUMPTION OF LOGARITHMIC VELOCITY AND TEMPERATURE
PROFILES"INSTITUT FUER NEUTRONENPHYSIK UND REAKTORTECHNIK,
KERNFORSCHUNGSZENTRUM KARLSRUHE REPORT NO. KFK3077, EUR6409E
NOVEMBER 1980022112 1980 ** ROUGHSURF
1FORCECONV

DALLE DONNE;M.

"HEAT TRANSFER IN GAS COOLED FAST REACTOR CORES"

ANNALS OF NUCLEAR ENERGY, VOL. 5, 1978, PP. 439-453
022301 1978 ** ROUGHSURF

1FORCECONV

DALLE-DONNE;M.

MAREK;J.

MARTELLI;A.

REHME;K.

"BR2 BUNDLE MOCKUP HEAT TRANSFER EXPERIMENTS"

NUCLEAR ENGINEERING AND DESIGN, VOL.40, NO.1, 1977, PP.
143-156022387 1977 ** ROUGHSURF
1FORCECONV

DANILOV;I.B.

KEILIN;V.E.

"HEAT TRANSFER AND HYDRAULIC RESISTANCE IN FLOW ALONG TUBES
WITH SPIRAL FINS"INTERNATIONAL CHEMICAL ENGINEERING, VOL.3, NO.1, 1963, PP.
95-98022095 1963 ICE ROUGHSURF
1FORCECONV

DARMONO;R.

KUZNETSOV;Y.P.

"HYDRODYNAMICS AND HEAT AND MASS TRANSFER AT MODERATE
PRANDTL NUMBERS UNDER CONDITIONS OF TURBULENT FLOW IN PIPES
WITH SMOOTH AND ROUGH WALLS"
THEORETICAL FOUNDATIONS OF CHEMICAL ENGINEERING, VOL.14,
NO.3, 1980, PP.217-224022319 1980 ** ROUGHSURF
1FORCECONV MASSTRAN

DAVIES;J.T.

SHAWKI;A.M.

"THE ENHANCEMENT OF TURBULENT HEAT TRANSFER"

THE CHEMICAL ENGINEER, NO.279, 1973, PP.528-532

022115 1973 CE ROUGHSURF
1FORCECONV

DAVIES;J.T.

SHAWKI;A.M.

"HEAT TRANSFER FROM TURBULENT FALLING FILMS OF WATER AND
NON-NEWTONIAN SOLUTIONS, ON SMOOTH AND ON RIDGED PLATES"
CHEMICAL ENGINEERING SCIENCE, VOL. 29, 1974, PP. 1801-1808
022297 1974 CES ROUGHSURF
1FORCECONV ADDFORLIQUIDS

DEIBER;J.A.

SCHOWALTER;W.R.

"FLOW THROUGH TUBES WITH SINUSOIDAL AXIAL VARIATIONS IN
DIAMETER"AMERICAN INSTITUTE OF CHEMICAL ENGINEERS JOURNAL, VOL.25,
1979, PP.638-645022324 1979 AIChEJ ROUGHSURF
1FORCECONV

DIMITROV;A.D.

YAKIMENKO;R.I.

"EFFICIENCY STUDIES OF PROFILE-PLATE SURFACES"

PROCEEDINGS OF SOVIET HIGHER SCHOOLS, ENERGETICS, VOL.4, 1975
022137 1975 ** ROUGHSURF

1FORCECONV

DIPPREY;D.F.

SABERSKY;R.H.

"HEAT AND MOMENTUM TRANSFER IN SMOOTH AND ROUGH TUBES AT
VARIOUS PRANDTL NUMBERS"INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.6, 1963,
PP.329-353022030 1963 IJHMT ROUGHSURF
1FORCECONV

DIPPREY;D.F.

SABERSKY;R.H.

"HEAT AND MOMENTUM TRANSFER IN SMOOTH AND ROUGH TUBES AT
VARIOUS PRANDTL NUMBERS"JET PROPULSION LABORATORY, TECHNICAL REPORT NO.32-269, JUNE
1962022021 1962 JPL ROUGHSURF
1FORCECONV

DOENECKE;J.

"CONTRIBUTION A L'ETUDE DE LA CONVECTION FORCEE TURBULENT
LE LONG DE PLAQUES RUGUEUSES"INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.7,
1964, PP.133-142022033 1964 IJHMT ROUGHSURF
1FORCECONV

DOMANOV;V.N.

"THE TEMPERATURE DISTRIBUTION IN THE THERMAL BOUNDARY LAYER
ABOVE SURFACES WITH WAVY ROUGHNESS"HEAT TRANSFER - SOVIET RESEARCH, VOL.8, NO.6, 1976, PP.
147-151022190 1976 HTSR ROUGHSURF
1FORCECONV

DOMANOV;V.N.

"CALCULATION OF THE HEAT TRANSFER COEFFICIENT FOR FLOWS OVER
SMOOTH AND ROUGH SURFACES"FLUID MECHANICS - SOVIET RESEARCH, VOL.9, NO.5, 1980, PP.
132-136022322 1980 ** ROUGHSURF
1FORCECONV

DRAYCOTT;A.

LAWTHER;K.R.

"IMPROVEMENT OF FUEL ELEMENT HEAT TRANSFER BY USE OF
ROUGHENED SURFACES AND THE APPLICATION TO A 7-ROD CLUSTER"INTERNATIONAL DEVELOPMENTS IN HEAT TRANSFER, AMERICAN
SOCIETY OF MECHANICAL ENGINEERS, 1967, PP.543-552022017 1961 IJHMT ROUGHSURF
1FORCECONV

DRIZHYUS;M.-R.M.

BARTKUS;S.L.

SHLANCHYASKAS;A.S.

ZHUKAUSKAS;A.A.

"DRAG AND HEAT TRANSFER ON A ROUGH PLATE FOR VARIOUS PRANDTL
NUMBERS"INTERNATIONAL CHEMICAL ENGINEERING, VOL.16, 1976, PP.552-562
022176 1976 ICE ROUGHSURF

1FORCECONV

DRIZHYUS;M.-R.M.

BARTKUS;S.L.

SHLANCHYASKAS;A.A.

"EFFECT OF TYPE OF ROUGHNESS ON THE HEAT TRANSFER RATE AT A
PLATE WITH PR > 1"INTERNATIONAL CHEMICAL ENGINEERING, VOL.18, NO.2, 1978, PP.
330-336

- 022344 1978 ICE ROUGHSURF
1FORCECONV
- DRIZIUS;M.-R. SLANCIAUSKAS;A.
"HEAT TRANSFER CALCULATION FOR ROUGH WALL-SURFACES"
ABSTRACT FROM THE FIFTH ALL-UNION HEAT AND MASS TRANSFER
CONFERENCE, MINSK, USSR, 1976, P.46
022307 1976 ** ROUGHSURF
1FORCECONV
- DRIZIUS;M.-R.M. JANUSAS;J. SKEMA;R.
"HEAT TRANSFER FOR WATER INSIDE A ROUGH-SURFACE PIPE"
LIETUVOS TSR MOKSLU AKADEMIJOS DARBAI, SERIES B, VOL.1,
1980, PP.61-68
022315 1980 ** ROUGHSURF
1FORCECONV
- DRIZIUS;M.R. BARTKUS;S.I. SLANCIAUSKAS;A.A.
ZAKAUSKAS;A.A.
"DRAG AND HEAT TRANSFER ON A ROUGH PLATE AT VARIOUS PR
NUMBERS"
HEAT TRANSFER - SOVIET RESEARCH, VOL.10, NO.3, 1978, PP.
21-38
022323 1978 HTSR ROUGHSURF
1FORCECONV
- DRIZIUS;M.R. BARTKUS;S.I. SLANCIAUSKAS;A.A.
"EFFICIENCY OF HEAT TRANSFER FROM A ROUGH PLATE TO FLOWING
AIR AND TRANSFORMER OIL"
HEAT TRANSFER-SOVIET RESEARCH, VOL.11, NO.1, 1979, PP.126-132
022201 1979 HTSR ROUGHSURF
1FORCECONV
- DURANT;W.S. TOWELL;R.H. MIRSHAK;S.
"IMPROVEMENT OF HEAT TRANSFER TO WATER FLOWING IN AN
ANNULUS BY ROUGHENING THE HEATED WALL"
CHEMICAL ENGINEERING PROGRESS SYMPOSIUM SERIES, VOL.61,
NO.60, 1965, PP.106-113
022102 1965 CEPSS ROUGHSURF
1FORCECONV
- DZYUBENKO;B.V. IEVELEV;V.M.
"HEAT TRANSFER AND HYDRAULIC RESISTANCE IN THE INTERTUBE
SPACE OF A HEAT EXCHANGER WITH FLOW TWISTING"
POWER ENGINEERING, VOL.18, NO.5, 1980, PP.99-106
022392 1980 ** ROUGHSURF
1FORCECONV
- EDWARDS;F.J. SHERIFF;N.
"THE HEAT TRANSFER AND FRICTION CHARACTERISTICS FOR FORCED
CONVECTION AIR FLOW OVER A PARTICULAR TYPE OF ROUGH
SURFACE"
INTERNATIONAL DEVELOPMENTS IN HEAT TRANSFER, AMERICAN
SOCIETY OF MECHANICAL ENGINEERS, 1961, PP.415-425
022019 1961 IIHTC ROUGHSURF
1FORCECONV
- EDWARDS;F.J.
"THE CORRELATION OF FORCED CONVECTION HEAT TRANSFER DATA
FROM ROUGH SURFACES IN DUCTS HAVING DIFFERENT SHAPES OF
FLOW CROSS SECTIONS"
PROCEEDINGS OF THE THIRD INTERNATIONAL HEAT TRANSFER
CONFERENCE, AMERICAN INSTITUTE OF CHEMICAL ENGINEERS, NEW
YORK, VOL.1, 1966, PP.32-34
022043 1966 IIIHTC ROUGHSURF
1FORCECONV
- EDWARDS;F.J.
"THE CORRELATION OF FORCED CONVECTION HEAT TRANSFER DATA
FROM SURFACES WITH LARGE-SCALE ROUGHNESS"
THERMODYNAMICS AND FLUID MECHANICS CONVENTION, INSTITUTION
OF MECHANICAL ENGINEERS, VOL.178, PT.31, 1964, PP.21-30
022204 1964 IME ROUGHSURF
1FORCECONV
- EDWARDS;F.J. KHAN;M.M.H. DAVIDSON;R.O.
"SOME INTERFERENCE EFFECTS IN FLOWS THROUGH ROWS OF SURFACE
PROTRUSIONS"
HEAT TRANSFER 1978, VOL.2, HEMISPHERE PUBLISHING COMPANY:
WASHINGTON, D.C., 1978, PP.619-624
022253 1978 VIIHTC ROUGHSURF
- 1FORCECONV
- EDWARDS;F.J. ALKER;C.J.R.
"THE IMPROVEMENT OF FORCED CONVECTION SURFACE HEAT
TRANSFER USING SURFACE PROTRUSIONS IN THE FORM OF (A)
CUBES AND (B) VORTEX GENERATORS"
HEAT TRANSFER 1974, SCRIPTA BOOK COMPANY, VOL.2, 1974, PP.
244-248
022381 1974 VIHTC ROUGHSURF
1FORCECONV
- EDWARDS;M.F.
"HEAT TRANSFER IN PLATE HEAT EXCHANGERS AT LOW REYNOLDS
NUMBERS"
LOW REYNOLDS NUMBER FLOW HEAT EXCHANGERS, HEMISPHERE
PUBLISHING CORPORATION, WASHINGTON, 1983, PP.933-947
022390 1983 ** ROUGHSURF
1FORCECONV
- EISENBERG;D.M.
"THE MULTITUBE CONDENSER TEST"
SYMPOSIUM ON ENHANCED TUBES FOR DESALINATION PLANTS,
OFFICE OF SALINE WATER, U.S. DEPARTMENT OF THE INTERIOR,
1970, PP.155-176
035053 1970 OSW EXTENDED SURF
CONDENSATION 1FORCECONV ROUGHSURF
- EMERSON;W.H.
"HEAT TRANSFER IN A DUCT IN REGIONS OF SEPARATED FLOW"
PROCEEDINGS OF THE THIRD INTERNATIONAL HEAT TRANSFER
CONFERENCE, AMERICAN INSTITUTE OF CHEMICAL ENGINEERS, NEW
YORK, VOL.1, 1966, PP.267-275
022050 1966 IIIHTC ROUGHSURF
1FORCECONV
- EVANS;D.M. NOBLE;M.L.
"GAS TURBINE COMBUSTOR COOLING BY AUGMENTED BACKSIDE
CONVECTION"
JOURNAL OF ENGINEERING FOR POWER, VOL.101, 1979,
PP.109-115
022245 1979 ** ROUGHSURF
1FORCECONV
- FAAS;S.E. MC ELIGOT;D.M.
"CONVECTIVE HEAT TRANSFER FOR SHIP PROPULSION"
FIFTH ANNUAL SUMMARY REPORT, ENGINEERING EXPERIMENT STATION,
UNIVERSITY OF ARIZONA, JANUARY 1980
022071 1980 ** ROUGHSURF
1FORCECONV
- FEDYNSKY;O.S.
"INCREASING THE HEAT TRANSFER RATE DURING THE FLOW OF
WATER IN AN ANNULAR SPACE"
PROBLEMS OF HEAT TRANSFER, EDITED BY M.A. MIKHEEV, ATOMIC
ENERGY COMMISSION REPORT AEC-TR-4511, 1959, PP.44-56
022014 1959 AEC ROUGHSURF
1FORCECONV
- FELDMAN;K.T. MUNJE;S.
"EXPERIMENTS WITH GRAVITY-ASSISTED HEAT PIPES WITH AND
WITHOUT CIRCUMFERENTIAL GROOVES"
JOURNAL OF ENERGY, VOL.3, NO.4, 1979, PP.211-216
022388 1979 ** ROUGHSURF
1FORCECONV
- FENECH;H.
"HEAT TRANSFER AND FLUID FLOW IN NUCLEAR SYSTEMS"
PERGAMON PRESS, NEW YORK, 1981
022357 1981 ** ROUGHSURF
1FORCECONV
- FINSON;M.L. CLARKE;A.S.
"THE EFFECT OF SURFACE ROUGHNESS CHARACTER ON TURBULENT
RE-ENTRY HEATING"
AEROTHERMODYNAMICS AND PLANETARY ENTRY, AMERICAN INSTITUTE
OF AERONAUTICS AND ASTRONAUTICS, NEW YORK, 1980, PP.83-108
022317 1980 ** ROUGHSURF
1FORCECONV
- FIRTH;R.J.
"RE-ANALYSIS OF SOME HEAT TRANSFER DATA FOR SURFACES

- ROUGHENED BY TRANSVERSE RIBS"
UNITED KINGDOM ATOMIC ENERGY RESEARCH ESTABLISHMENT REPORT
NO. ND-R-47(W), NOVEMBER 1977
022243 1977 ** ROUGHSURF
1FORCECONV
NHC
- FIRTH;R.J.
"A METHOD OF ANALYSING HEAT TRANSFER AND PRESSURE DROP DATA
FROM PARTIALLY ROUGHENED ANNULAR CHANNELS"
UNITED KINGDOM ATOMIC ENERGY RESEARCH ESTABLISHMENT REPORT
NO. ND-R-301(W), 1979
022274 1979 ** ROUGHSURF
1FORCECONV
NHC
- FIRTH;R.J.
"A COMPILATION OF RESULTS FROM HEAT TRANSFER AND PRESSURE
DROP EXPERIMENTS USING ARTIFICIALLY ROUGHENED SURFACES IN
ANNULAR CHANNELS"
BERKELEY NUCLEAR LABORATORIES REPORT NO. RD/B/5162N81,
OCTOBER 1981
022305 1981 ** ROUGHSURF
1FORCECONV
- FIRTH;R.J. MEYER;L.
"A COMPARISON OF THE HEAT TRANSFER AND FRICTION FACTOR
PERFORMANCE OF FOUR DIFFERENT TYPES OF ARTIFICIALLY
ROUGHENED SURFACE"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.26,
1983, PP.175-183
022360 1983 IJHMT ROUGHSURF
1FORCECONV
- FOXALL,D.H. OILBERT,P.T.
"SELECTING TUBES FOR CPI HEAT EXCHANGERS-II"
CHEMICAL ENGINEERING, VOL.83,1976,PP.147-150
022076 1976 ** ROUGHSURF
1FORCECONV
- FRANCIS;W.C. GRIEBENOW;M.L.
"PROTOTYPE STUDIES OF MODIFIED FUEL ELEMENT GEOMETRIES"
TID-7642, 1962, PP.244-267
022075 1962 ** ROUGHSURF
1FORCECONV
- FUJIKAKE;K.
"STUDY ON AIR COOLED HEAT EXCHANGER WITH CORRUGATED FIN
SURFACES (1ST REPORT, FIN EFFICIENCY AND OVERALL EFFICIENCY
OF STRAIGHT FIN SURFACES)"
BULLETIN OF THE JAPANESE SOCIETY OF MECHANICAL ENGINEERS,
VOL.19, NO.138, 1976, PP.1522-1529
032207 1976 ** EXTENDED SURF
1FORCECONV ROUGHSURF COMPOUNDTECH
- FUJITA;H. TAKAHAMA;H. YABASHI;H.
TAKAGI;K.
"EFFECTS OF WALL ROUGHNESSES ON HEAT AND MASS TRANSFER IN
COUNTERCURRENT FLOW OF AIR AND WATER FILM"
HEAT TRANSFER - JAPANESE RESEARCH, VOL.9, NO.1, 1980, PP.
42-53
022181 1980 HTJR ROUGHSURF
1FORCECONV MASSTRAN
- FURBER;B.N. COX;D.N.
"HEAT TRANSFER AND PRESSURE DROP MEASUREMENTS IN CHANNELS
WITH WHITWORTH THREAD FORM ROUGHNESS"
JOURNAL OF MECHANICAL ENGINEERING SCIENCE, VOL.9, NO.5,
1967, PP.339-350
022054 1967 ** ROUGHSURF
1FORCECONV
- GAL'TSOV;V.Y. KOROTAEV;V.M.
"INVESTIGATION OF HEAT TRANSFER FROM A GAS STREAM IN THE
FLUID-FLOW CHANNEL OF A CORRUGATED PLATE SPIRAL HEAT
EXCHANGER"
CHEMICAL AND PETROLEUM ENGINEERING, VOL.12, NO.2, 1976,
PP.131-133
142016 1976 ** COMPOUNDTECH
1FORCECONV ROUGHSURF COILED TUBE
- GANESHAN;S. RAO;M.R.
"STUDIES ON THERMOHYDRAULICS OF SINGLE AND MULTISTART
SPIRALLY CORRUGATED TUBES FOR WATER AND TIME-INDEPENDENT
POWER LAW FLUIDS"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.25,
1982, PP.1013-1022
022326 1982 IJHMT ROUGHSURF
1FORCECONV
- GAUGARD;J. PAUMARD;G.
"AMELORATION DU TRANSFERT DE CHALEUR PAR L'EMPLCI DE
SURFACES CORRUGUES"
CUMMISSARIAT A L'ENERGIE ATOMIQUE CENTRE D'ETUDES
NUCLEAIRES DE SACLAY REPORT NO. CEA-R 2464, 1964
022028 1964 CEA ROUGHSURF
1FORCECONV
- GAVRILOV;Y.A. DULNEV;G.N. SHAKHOV;A.V.
"FORCED CONVECTION IN PLANE CHANNELS WITH RECESS"
PRESSURE DROP AND DEGREE OF MIXING"
JOURNAL OF ENGINEERING PHYSICS, VOL.35, 1978, PP.1294-1300
022342 1978 JEP ROUGHSURF
1FORCECONV
- GEE;D.L. WEBB;R.L.
"FORCED CONVECTION HEAT TRANSFER IN HELICALLY RIB-ROUGHENED
TUBES"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL. 23,
1980, PP. 1127-1136
022285 1980 IJHMT ROUGHSURF
1FORCECONV
- GEFFROY;J. JUDE;P. PAUMARD;G.
"CONTRIBUTION A L'ETUDE DE LA CONVECTION FORCEE PAR SURFACES
CORRUGUES"
HEAT TRANSFER 1970, VOL.11, PAPER FC5.1, ELSEVIER
PUBLISHING COMPANY, AMSTERDAM, 1970
022162 1970 IJHMT ROUGHSURF
1FORCECONV
- GEIGER;G.E. MANDAL;S.K.
"HEAT TRANSFER AND FRICTION FACTORS OF HIGH PRANDTL NUMBER
LAMINAR FLOW THROUGH AN ANNULUS WITH CIRCUMFERENTIAL FINS"
HEAT TRANSFER 1978, VOL.2, HEMISPHERE PUBLISHING COMPANY:
WASHINGTON, D.C., 1978, PP.607-612
022251 1978 IJHMT ROUGHSURF
1FORCECONV
- GENETTI;W.E. EVERLY;D.
"HEAT TRANSFER FROM SPIRAL TUBING IN AN AIR-FLUIDIZED
BED"
HEAT TRANSFER ENGINEERING, VOL.3, NOS.3-4, 1982, PP.60-65
142036 1982 HTE COMPOUNDTECH
1FORCECONV COILED TUBE ROUGHSURF ADDFORGASES
- GINSBERG;T. LORENZ;J.J.
"EXPERIMENTAL MIXING STUDIES IN SIMULATED WIRE-WRAP FUEL
ASSEMBLIES"
PROCEEDINGS INTERNATIONAL MEETING ON REACTOR HEAT TRANSFER,
GESELLSCHAFT FUER KERNFORSCHUNG, KARLSRUHE, 1973, PP.13-38
022129 1973 ** ROUGHSURF
1FORCECONV
- GLUCK;D.F.
"THE EFFECT OF TURBULENCE PROMOTION ON NEWTONIAN AND NON-
NEWTONIAN HEAT TRANSFER RATES"
M.S. THESIS, UNIVERSITY OF DELAWARE, JUNE 1959
022191 1959 ** ROUGHSURF
1FORCECONV
- GOLDSTEIN;J.R.;L. SPARROW;E.M.
"HEAT/MASS TRANSFER CHARACTERISTICS FOR FLOW IN A CORRUGATED
WALL CHANNEL"
JOURNAL OF HEAT TRANSFER, VOL.99, 1977, PP.187-195
022156 1977 JHT ROUGHSURF
1FORCECONV MASSTRAN
- GOLUBEV;S.V. SAMSONOV;V.L.
"INVESTIGATION OF HEAT EXCHANGING SURFACES WITH DISCRETE
CHANNELS AT LOW REYNOLDS NUMBERS"
CHEMICAL AND PETROLEUM ENGINEERING, VOL.16, 1980, PP.550-552

- 022346 1980 CPE ROUGHSURF
1FORCECONV
- GOMELAURI;V.
"INFLUENCE OF TWO-DIMENSIONAL ARTIFICIAL ROUGHNESS ON
CONVECTIVE HEAT TRANSFER"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.7,
1964, PP. 653-663
022034 1964 IJHMT ROUGHSURF
1FORCECONV
- GOMELAURI;V.I.
"METHODS AND RESULTS OF AN EXPERIMENTAL INVESTIGATION INTO
PROCESSES OF INTENSIFICATION OF CONVECTIVE HEAT TRANSFER"
THERMAL ENGINEERING, VOL.21, NO.9, 1974, PP.1-5
022064 1974 TENG ROUGHSURF
1FORCECONV
- GOMELAURI;V.I. MAGRAKVELIDZE;T.S. MIKASHVIDZE;A.N.
KHOSHTARIYA;A.G. CHUCHULASHVILI;T.A.
"AN EXPERIMENTAL STUDY OF HEAT TRANSFER ENHANCEMENTS OF A
SUPERHEATED VAPOR BY THE METHOD OF TWO-DIMENSIONAL
ROUGHNESS"
SUUBSHCH. AKAD. NAUK. GRUZ.SSR, VOL.75, 1974, PP.409-412
022144 1974 ** ROUGHSURF
1FORCECONV
- GOMMERT;L.
"OPTIMIZATION OF THE GEOMETRY OF FINNED TUBES IN CROSS-
FLOW WITH REGARD TO HEAT TRANSFER"
VERFAHRENSTECHNIK, VOL.7, NO.4, 1973, PP.109-113
032024 1973 ** EXTENDED SURF
ROUGHSURF 1FORCECONV
- GORTON;R.L. RATCLIFFE;J.T.
"COMPARISON OF NUSSELT NUMBER AND DRAG COEFFICIENT OF
SCREEN-COVERED AND SMOOTH CYLINDERS IN CROSS FLOW"
JOURNAL OF HEAT TRANSFER, VOL.46, 1974, PP.260-261
022109 1974 JHT ROUGHSURF
1FORCECONV
- GOSSE;J. SCHIESTEL;R.
"THERMAL CONVECTION IN THE WAVY TUBES OF A TYPE OF HEAT
EXCHANGER"
INTERNATIONAL CHEMICAL ENGINEERING, VOL. 18, 1978, PP. 1-7
022265 1978 ICE ROUGHSURF
1FORCECONV
- GOWEN;R.A.
"A STUDY OF FORCED CONVECTION HEAT TRANSFER FROM SMOOTH
AND ROUGH SURFACES"
PH.D. THESIS IN CHEMICAL ENGINEERING AND APPLIED CHEMISTRY,
UNIVERSITY OF TORONTO, 1967
022051 1967 ** ROUGHSURF
1FORCECONV
- GOWEN;R.A. SMITH;J.W.
"TURBULENT HEAT TRANSFER FROM SMOOTH AND ROUGH SURFACES-
PART I: TEMPERATURE PROFILE IN A 2 IN. PIPE; PART II: HEAT
TRANSFER COEFFICIENTS IN PIPES OF KNOWN SURFACE GEOMETRY"
AMERICAN INSTITUTE OF CHEMICAL ENGINEERS PREPRINT 32 FOR
THE TENTH NATIONAL HEAT TRANSFER CONFERENCE, PHILADELPHIA,
PENNSYLVANIA, AUGUST 1968
022058 1968 AIChE ROUGHSURF
1FORCECONV
- GRASS;G.
"VERBESSERUNG DER WAERMEUEBERTRAGUNG AN WASSER DURCH
KUNSTLICHE AUFRÄUUNG DER OBERFLÄCHEN IN REAKTOREN
WAERMETAUSCHERN"
ATOMKERNENERGIE, VOL.3, 1958, PP.328-331
022100 1958 ** ROUGHSURF
1FORCECONV
- GRAVES;A.W. CATTON;I.
"NUMERICAL MODEL OF HEAT TRANSFER IN A ROD BUNDLE WITH
HELICAL WIRE WRAP SPACERS"
JOURNAL OF HEAT TRANSFER, VOL.95, 1973, PP.559-562
022130 1973 JHT ROUGHSURF
1FORCECONV
- GREWAL;N.S. SAXENA;S.C.
"EFFECT OF SURFACE ROUGHNESS ON HEAT TRANSFER FROM
HORIZONTAL IMMERSED TUBES IN A FLUIDIZED BED"
JOURNAL OF HEAT TRANSFER, VOL.101, NO.3, 1979, PP.1-7
142023 1979 JHT COMPOUNDTECH
1FORCECONV ROUGHSURF ADDFORGASES
- GROEHN;H.G. SCHOLZ;F.
"ÄNDERUNG VON WAERMEUEBERGUNG UND STROEMUNGSWIDERSTAND IN
QUER ANGESTROMTEN ROHRBUENDELN UNTER DEM EINFLUSS
VERSCHIEDENER RAUHIGKEITEN SOWIE ANMERKUNGEN ZUR WAHL DER
STOFFWERTBEZUGSTEMPERATUREN"
HEAT TRANSFER 1970, VOL.III, PAPER FC7.10, ELSEVIER PUBLISH-
ING COMPANY, AMSTERDAM, 1970
022079 1970 IVIHTC ROUGHSURF
1FORCECONV
- GROEHN;H.G. SCHOLZ;F.
"VORTEILE VON STOLPERRIPPENROHREN IN WAERMETAUSCHERN MIT
QUERDURCHSTROMTEN ROHRBUENDELN"
BRENNSTOFF-WAERME-KRAFT, VOL.23, 1971, PP.5-6
022092 1971 ** ROUGHSURF
1FORCECONV
- GROEHN;H.G. SCHOLZ;F.
"HEAT TRANSFER AND PRESSURE DROP OF IN-LINE BANKS OF TUBES
WITH ARTIFICIAL ROUGHNESS"
HEAT AND MASS TRANSFER SOURCEBOOK: FIFTH ALL-UNION CON-
FERENCE, MINSK, SCRIPTA PUBLISHING COMPANY, WASHINGTON,
1977, PP.21-24
022264 1977 ** ROUGHSURF
1FORCECONV
- GROEHN;H.G. SCHOLZ;F.
"WAERME-UND STROEMUNGSTECHNISCHE UNTERSUCHUNGEN AN
FLUCHTENDEN ROHRBUENDEL-WAERMETAUSCHERN AUS
PYRAMIDENFOERMIG AUFGERAUTEN ROHREN"
KERNFORSCHUNGSANLAGE JUELICH GMBH, JUEL-1437, JULY 1977
022241 1977 ** ROUGHSURF
1FORCECONV
- GU;W.-Z.
"CALCULATION OF HEAT TRANSFER AND FRICTION IN CONCENTRIC
ANNULI WITH VARIOUS FORMS OF ROUGHNESS"
JOURNAL OF ENGINEERING THERMOPHYSICS, VOL.1, NO.3, 1980, PP.
280-289
022284 1980 ** ROUGHSURF
1FORCECONV
- GUPTA;R.K. RAO;M.R.
"HEAT TRANSFER AND FRICTION CHARACTERISTICS OF NEWTONIAN AND
POWER-LAW TYPE OF NON-NEWTONIAN FLUIDS IN SMOOTH AND
SPIRALLY CORRUGATED TUBES"
ADVANCES IN ENHANCED HEAT TRANSFER, AMERICAN SOCIETY OF
MECHANICAL ENGINEERS, NEW YORK, 1979, PP.103-113
022152 1979 ASME ROUGHSURF
1FORCECONV
- HALL;P. SMITH;F.T.
"A SUGGESTED MECHANISM FOR NONLINEAR WALL ROUGHNESS
EFFECTS ON HIGH REYNOLDS NUMBER FLOW STABILITY"
STUDIES IN APPLIED MATHEMATICS, VOL.66, NO.3, 1982,
PP.241-265
022383 1982 ** ROUGHSURF
1FORCECONV
- HALL;W.B.
"HEAT TRANSFER IN CHANNELS HAVING ROUGH AND SMOOTH SURFACES"
JOURNAL OF MECHANICAL ENGINEERING SCIENCES, VOL.4, 1962,
PP.287-291
022169 1962 JMESC I ROUGHSURF
1FORCECONV
- HAN;J.C. GLICKSMAN;L.R. ROSENOW;W.M.
"AN INVESTIGATION OF HEAT TRANSFER AND FRICTION FOR RIB
ROUGHENED SURFACES"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.21,
1978, PP.1143-1156
022256 1978 IJHMT ROUGHSURF
1FORCECONV

- HAN;J.C. LEI;C.K.
"HEAT TRANSFER AND FRICTION IN SQUARE DUCTS WITH TWO
OPPOSITE RID-ROUGHENED WALLS"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.
83-HT-26, 1983
022376 1983 ASME ROUGHSURF
1FORCECONV
- HATTON;A.P. WALKLATE;P.
"A MIXING-LENGTH METHOD FOR PREDICTING HEAT TRANSFER IN
ROUGH PIPES"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.19,
1976, PP.1425-1432
022136 1976 IJHMT ROUGHSURF
1FORCECONV
- HAUSER;S.G. KREID;D.K. JOHNSON;D.M.
"INVESTIGATION OF COMBINED HEAT AND MASS TRANSFER FROM A
WET HEAT EXCHANGER. PART 2 - EXPERIMENTAL RESULTS"
ASME-JSME THERMAL ENGINEERING JOINT CONFERENCE PROCEEDINGS,
HONOLULU, HAWAII, MARCH 1983, VOL.1, PP.525-535
032330 1983 ** EXTENDED SURF
1FORCECONV ROUGHSURF MASSTRAN
- HISHIDA;M. OKAMOTO;Y. SEKI;M.
"PRESSURE DROP AND HEAT TRANSFER IN PARALLEL CHANNELS WITH
DETACHED WIRE PROMOTERS"
PROCEEDINGS INTERNATIONAL MEETING ON REACTOR HEAT TRANSFER
GESELLSCHAFT FUER KERNFORSCHUNG KARLSRUHE, 1973, PP.134-154
022125 1973 ** ROUGHSURF
1FORCECONV
- HISHIDA;M. YOSHIZO;O. NEGOYA;S.
"EXPERIMENTAL OBSERVATION ON FLOW EFFECTS IN HEAT TRANSFER
OF WIRED TURBULENCE PROMOTORS"
2ND SYMPOSIUM ON FLOW VISUALIZATION ISAS, UNIVERSITY OF
TOKYO, 1974
022131 1974 ** ROUGHSURF
1FORCECONV
- HISHIDA;M. OKAMOTO;Y. KAWAMURA;H.
HANAWA;J.
"ENHANCED HEAT TRANSFER OF FUEL AT LOW REYNOLDS NUMBER"
TRANSACTIONS OF THE AMERICAN NUCLEAR SOCIETY, VOL.20, 1975,
PP.756-758
022386 1975 ** ROUGHSURF
1FORCECONV
- HODGE;S.A. SANDERS;J.P. KLEIN;D.E.
"DETERMINATION OF FRICTION FACTORS AND HEAT TRANSFER
COEFFICIENTS FOR FLOW PAST ARTIFICIALLY ROUGHENED SURFACES"
OAK RIDGE NATIONAL LABORATORY REPORT NO. ORNL-5599, 1979
022183 1979 ORNL ROUGHSURF
1FORCECONV
- HODGE;S.A. SANDERS;J.P. KLEIN;D.E.
"SLOPE AND INTERCEPT OF THE DIMENSIONLESS VELOCITY PROFILE
FOR ARTIFICIALLY ROUGHENED SURFACES"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL. 23,
1980, PP. 135-140
022277 1980 IJHMT ROUGHSURF
1FORCECONV
- HODGE;S.A.
"DETERMINATION OF FRICTION FACTOR AND HEAT TRANSFER
COEFFICIENTS FOR FLOW PAST ARTIFICIALLY ROUGHENED SURFACES"
UNIVERSITY OF TEXAS, AUSTIN REPORT, 1979
022350 1979 ** ROUGHSURF
1FORCECONV
NHC
- HUDINA;M.
"THE INFLUENCE OF THE ROUGHNESS SHAPE ON THE THERMOHYDRAULIC
CHARACTERISTICS OF RIBBED SURFACES"
PROCEEDINGS INTERNATIONAL MEETING ON REACTOR HEAT TRANSFER,
GESELLSCHAFT FUER KERNFORSCHUNG KARLSRUHE, 1973, PP.111-133
022001 1973 ** ROUGHSURF
1FORCECONV
- HUDINA;M.
"HEAT TRANSFER AND PRESSURE DROP MEASUREMENTS WITH SURFACES
ROUGHENED BY PHOTO-ETCHING"
SPECIALISTS MEETING ON THERMAL HYDRAULICS, WINDSCALE, UNITED
KINGDOM, MAY 1972, PAPER 12, SL-R/3
022206 1972 ** ROUGHSURF
1FORCECONV
NHC
- HUDINA;M.
"ROUGHENING CHARACTERISTICS AND CHOICES FOR THE GAS-COOLED
FAST BREEDER REACTOR"
NUCLEAR ENGINEERING AND DESIGN, VOL.40, 1977, PP.133-141
022178 1977 ** ROUGHSURF
1FORCECONV
- HUDINA;M.
"EVALUATION OF HEAT TRANSFER PERFORMANCES OF ROUGH
SURFACES FROM EXPERIMENTAL INVESTIGATION IN ANNULAR
CHANNELS"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.22,
1979, PP.1381-1392
022187 1979 IJHMT ROUGHSURF
1FORCECONV
- HUDINA;M.
"EXPERIMENTAL STUDY OF LOCAL HEAT TRANSFER UNDER AND NEAR
GRID SPACERS DEVELOPED FOR GCFR"
SPECIALISTS MEETING ON THERMAL HYDRAULICS, WINDSCALE, MAY
1972, PAPER 25, SL-R/2
022207 1972 ** ROUGHSURF
1FORCECONV
NHC
- HUDINA;M.
"EXPERIMENTAL INVESTIGATION OF THE THERMOHYDRAULIC
CHARACTERISTICS OF SOME ROUGH SURFACES AT LOW REYNOLDS
NUMBER"
SPECIALIST MEETING ON CORE PERFORMANCE, STUDSVIK, SWEDEN,
JUNE 1973. E/R REPORT SL-R/10, MAY 1973
022208 1973 ** ROUGHSURF
1FORCECONV
NHC
- HUDINA, M.
"THERMAL-HYDRAULIC PERFORMANCE OF SOME RIBBED SURFACES AND
THEIR CHOICE FOR GCFR"
AMERICAN NUCLEAR SOCIETY TRANSACTIONS, VOL.20, 1975, PP.761-
764
022266 1975 ANS ROUGHSURF
1FORCECONV
- HUGHMARK;G.A.
"TURBULENT HEAT AND MASS TRANSFER FROM ROUGH SURFACES"
AMERICAN INSTITUTE OF CHEMICAL ENGINEERS JOURNAL, VOL.18,
1972, PP.667-668
022097 1972 AIChEJ ROUGHSURF
1FORCECONV MASSTRAN
- HWANG;H.P.
"EFFECT OF FLOW DIRECTION ON MIXED CONVECTION HEAT TRANSFER
FROM A VERTICAL FLAT PLATE AND A PLATE WITH SQUARE
PROTUBERANCES"
LETTERS IN HEAT AND MASS TRANSFER, VOL.6, 1979, PP.459-468
032245 1979 LHMT EXTENDED SURF
ROUGHSURF 1FORCECONV
- ICHIMIYA;K. HASEGAWA;S. YAMASAKI;K.
"EFFECTS OF A SINGLE ROUGHNESS ELEMENT ON THE
HEAT TRANSFER FROM A SMOOTH HEATED WALL IN A PARALLEL PLATES
DUCT"
HEAT TRANSFER-JAPANESE RESEARCH, VOL.8, NO.4, 1979, PP.75-87
022296 1979 HTJR ROUGHSURF
1FORCECONV
- ICHIMIYA;K. YOKOYAMA;M. SHIMOMURA;R.
"EFFECTS OF SEVERAL ROUGHNESS ELEMENTS FOR THE HEAT
TRANSFER FROM A SMOOTH HEATED WALL"
ASME-JSME THERMAL ENGINEERING JOINT CONFERENCE PROCEEDINGS,
HONOLULU, HAWAII, MARCH 1983, VOL.1, PP.359-364
022367 1983 ** ROUGHSURF
1FORCECONV

IZUMI;R. YAMASHITA;H. OYAKAWA;K.
 "FLUID FLOW AND HEAT TRANSFER IN CORRUGATED WALL CHANNELS
 (1ST REPORT, ANALYSIS IN THE CASE WHERE CHANNELS ARE BENT
 PERPENDICULARLY TWO TIMES)"
 BULLETIN OF THE JAPAN SOCIETY OF MECHANICAL ENGINEERS,
 VOL.24, 1981, PP.1425-1432
 022330 1981 BJSME ROUGHSURF
 1FORCECONV

JARRET;E.L.
 "FLOW AND MASS TRANSFER IN RECTANGULAR CAVITIES"
 PH.D. THESIS, OHIO STATE UNIVERSITY, 1968
 022060 1968 ** ROUGHSURF
 1FORCECONV
 NHC

JAYATILLEKE;C.L.V.
 "THE INFLUENCE OF PRANDTL NUMBER AND SURFACE ROUGHNESS ON
 THE RESISTANCE OF THE LAMINAR SUB-LAYER TO MOMENTUM AND
 HEAT TRANSFER"
 PROGRESS IN HEAT AND MASS TRANSFER, VOL.1, PERGAMON PRESS,
 OXFORD, 1969, PP.193-329
 022065 1969 PHMT ROUGHSURF
 1FORCECONV

JICHA;M. RAMIK;Z.
 "A NUMERICAL SOLUTION FOR HEAT TRANSFER FROM THE ROUGH
 SURFACES OF ELECTROMOTOR COOLING CHANNELS"
 ABSTRACTED IN HEAT AND MASS TRANSFER SOURCE BOOK: FIFTH
 ALL-UNION CONFERENCE, MINSK, SCRIPTA PUBLISHING COMPANY,
 WASHINGTON, 1977, P. 335
 022161 1977 ** ROUGHSURF
 1FORCECONV

JOSHI;S.D. BERGLES;A.E.
 "SURVEY AND EVALUATION OF PASSIVE HEAT TRANSFER AUGMENTATION
 TECHNIQUES FOR LAMINAR FLOW"
 JOURNAL OF THERMAL ENGINEERING, VOL.1, NO.3, 1980, PP.
 105-124
 000107 1980 ** LITSURVEY
 1FORCECONV ROUGHSURF EXTENDED SURF DISPENSE DEVICE
 SWIRLFLO

JOULE;J.P.
 "ON THE SURFACE-CONDENSATION OF STEAM"
 PHILOSOPHICAL TRANSACTIONS OF THE ROYAL SOCIETY OF LONDON,
 VOL.151, 1861, PP.133-160
 022160 1861 ** ROUGHSURF
 1FORCECONV

KADAMBI;V. GIANISANTE;J.E.
 "THE EFFECT OF LANCES ON FINNED-TUBE HEAT EXCHANGER
 PERFORMANCE"
 ASHRAE TRANSACTIONS, VOL.89, PT.1A, 1983, PP.85-95
 022358 1983 ASHRAE ROUGHSURF
 1FORCECONV PERFORMANCE

KADER;B.A. YAGLOM;A.M.
 "TURBULENT HEAT AND MASS TRANSFER FROM A WALL WITH PARALLEL
 ROUGHNESS RIDGES"
 INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.20,
 1977, PP.345-358
 022155 1977 IJHMT ROUGHSURF
 1FORCECONV MASSTRAN

KALAFATI;D.D. POPALOV;V.V.
 "COMPARISON OF EFFICIENCY OF HEAT TRANSFER WITH FLOW OF
 GASES IN SMOOTH AND ROUGH CHANNELS"
 THERMAL ENGINEERING, VOL.24, NO.5, 1977, PP.62-64
 022197 1977 TENG ROUGHSURF
 1FORCECONV

KALININ;E.K. DREITSER;G.A. YARKHO;S.A.
 "INTENSIFICATION OF HEAT TRANSFER IN TUBES"
 MASCHINOSTROENIA, MOSCOW, 1972
 000026 1972 ** LITSURVEY
 ROUGHSURF 1FORCECONV

KALININ;E.K. DREITSER;G.A. KOZLOV;A.K.
 "AN INVESTIGATION OF HEAT TRANSFER INTENSIFICATION DURING
 LENGTHWISE FLOW ALONG TUBE BUNDLES WITH VARIOUS RELATIVE

PITCHES"
 INTERNATIONAL CHEMICAL ENGINEERING, VOL.13, 1973, PP.1-4
 022004 1973 ICE ROUGHSURF
 1FORCECONV

KALININ;E.K. DREITSER;G.A. YARKHO;S.A.
 "EXPERIMENTAL STUDY OF HEAT TRANSFER INTENSIFICATION UNDER
 CONDITION OF FORCED FLOW IN CHANNELS"
 JAPAN SOCIETY OF MECHANICAL ENGINEERS 1967 SEMI-
 INTERNATIONAL SYMPOSIUM, SEPTEMBER 1967, PAPER 210
 022055 1967 ** ROUGHSURF
 1FORCECONV

KALININ;E.K. DREITSER;G.A. YARKHO;S.A.
 KUSMINOV;V.A.
 "THE EXPERIMENTAL STUDY OF THE HEAT TRANSFER INTENSIFICATION
 UNDER CONDITIONS OF FORCED ONE- AND TWO-PHASE FLOW IN
 CHANNELS"
 AUGMENTATION OF CONVECTIVE HEAT AND MASS TRANSFER,
 AMERICAN SOCIETY OF MECHANICAL ENGINEERS, NEW YORK, 1970,
 PP.80-91
 022074 1970 ACHMT ROUGHSURF
 1FORCECONV FLOBOIL

KALININ;E.K. YARKHO;S.A.
 "AUGMENTATION OF HEAT TRANSFER IN GASES AND LIQUIDS
 FLOWING IN TUBES"
 HEAT TRANSFER-SOVIET RESEARCH, VOL.4, NO.2, 1972, PP.79-86
 022126 1972 HTSR ROUGHSURF
 1FORCECONV

KALININ;E.K.
 "TUBULAR HEAT EXCHANGERS WITH BILATERAL HEAT TRANSFER
 AUGMENTATION AND CALCULATION OF A HEAT EXCHANGER UNDER
 UNSTEADY OPERATING CONDITIONS"
 HEAT EXCHANGERS: DESIGN AND THEORY SOURCEBOOK, SCRIPTA
 BOOK COMPANY, WASHINGTON, 1974, PP.177-205
 022146 1974 ** ROUGHSURF
 1FORCECONV

KALININ;E.K. DREYTSER;G.A. ZAKIROV;S.G.
 YAKHABOV;A.A. AGZAMOV;S.K. LEVIN;E.S.
 "IMPROVEMENT OF HEAT TRANSFER IN TUBULAR HEAT EXCHANGERS
 BY THE USE OF GROOVED TUBES"
 HEAT TRANSFER-SOVIET RESEARCH, VOL.13, NO.4, 1981, PP.30-40
 022393 1981 HTSR ROUGHSURF
 1FORCECONV FLOBOIL CONDENSATION

KAPATSYNA;Y.G. SEMENOV;Y.G. BOLOGA;M.K.
 "AUGMENTATION OF HEAT TRANSFER BY USE OF TUBES WITH
 INTERNAL RIDGES GENERATED BY ELECTROCHEMICAL ETCHING OF
 METAL"
 HEAT TRANSFER-SOVIET RESEARCH, VOL.13, NO.4, 1981, PP.41-45
 022283 1981 HTSR ROUGHSURF
 1FORCECONV

KARASEV;E.K.
 "INVESTIGATION OF THE HYDRODYNAMICS AND HEAT TRANSFER IN A
 CHANNEL WITH TURBULIZERS ON THE HEAT TRANSFER SURFACE"
 HEAT AND MASS TRANSFER, ISRAEL PROG. FOR SCIENCE AND TECH.
 VOL.1, 1967, PP.190-197
 022171 1967 ** ROUGHSURF
 1FORCECONV
 NHC

KATTCHIE;N. MACKIEWICZ;W.V.
 "HEAT-TRANSFER AND FLUID FRICTION CHARACTERISTICS OF TUBE
 CLUSTERS WITH BOUNDARY-LAYER TURBULENCE PROMOTERS"
 AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.
 63-HT-1, 1963
 022026 1963 ASME ROUGHSURF
 1FORCECONV

KATTCHIE;N. MACKIEWICZ;W.V.
 "EFFECTS OF BOUNDARY LAYER TURBULENCE PROMOTERS ON THE LOCAL
 FILM COEFFICIENTS OF ML-1 FUEL ELEMENTS"
 NUCLEAR SCIENCE AND ENGINEERING, VOL.16, 1963, PP.31-38
 022209 1963 NSE ROUGHSURF
 1FORCECONV

KATTCHIE;N. MACKIEWICZ;W.V.

"LOCAL FILM COEFFICIENTS ON THE ML-1 FUEL ELEMENTS DUE
BOUNDARY LAYER TURBULENCE PROMOTERS"
AEROJET-GENERAL NUCLEONICS REPORT AN-ACGR-223, SAN RAMON,
1962

022210 1962 ** ROUGHSURF
1FORCECONV
NHC

KAUL;V. VON KISS;M.
"FORCED CONVECTION HEAT TRANSFER AND PRESSURE DROP IN
ARTIFICIALLY ROUGHENED FLOW PASSAGES"
NEUE TECHNIK, DECEMBER, 1964, PP.297-309
022041 1964 ** ROUGHSURF
1FORCECONV

KAYS;W.M. LONDON;A.L.
"COMPACT HEAT EXCHANGERS", SECOND EDITION
MC GRAW HILL BOOK COMPANY, NEW YORK, 1964
000022 1964 ** LITSURVEY
ROUGHSURF EXTENDED SURF DISPENHDEVICE 1FORCECONV

KEMENY;G.A. CYPHERS;J.A.
"HEAT TRANSFER AND PRESSURE DROP IN AN ANNULAR GAP WITH
SURFACE SPOILERS"
JOURNAL OF HEAT TRANSFER, VOL.83, 1967, PP.189-198
022016 1961 JHT ROUGHSURF
1FORCECONV

KIDD JR.;G.J.
"THE HEAT TRANSFER AND PRESSURE-DROP CHARACTERISTICS OF
GAS FLOW INSIDE SPIRALLY CORRUGATED TUBES"
JOURNAL OF HEAT TRANSFER, VOL.92, 1970, PP.513-519
022067 1969 JHT ROUGHSURF
1FORCECONV

KIKKAWA;K. KAWAI;S. MACHIYAMA;T.
"EXPERIMENTAL NOTES ON TUBE-SIDE HEAT TRANSFER COEFFICIENT
OF LOW-FINNED-TUBE WITH INNER-FINS"
BULLETIN OF SCIENCE AND ENGINEERING RESEARCH LABORATORY,
WASEDA UNIVERSITY, JAPAN, VOL. 76, 1975, PP. 32-34
022164 1975 ** ROUGHSURF
1FORCECONV

KIMPTON;A.D. LYALL;H.G.
"THE HEAT TRANSFER AND PRESSURE DROP PERFORMANCE OF A
SURFACE ROUGHENED BY SMALL SQUARE RIBS"
JOURNAL OF BRITISH NUCLEAR ENERGY SOCIETY, VOL.11, NO.3,
1977, PP.271-277
022096 1972 ** ROUGHSURF
1FORCECONV

KIRPIKOV;V.A. ORLOV;V.K. PRIKHOD'KO;V.F.
"THE DEVELOPMENT OF A COMPACT HEAT TRANSFER SURFACE BASED ON
THE IDEA OF INTRODUCING NONUNIFORMITIES OF PRESSURE IN THE
FLOW"
THERMAL ENGINEERING, VOL.24, NO.4, 1977, PP.27-31
022186 1977 TENG ROUGHSURF
1FORCECONV

KJELLSTROEM;B. LARSSON;A.E.
"IMPROVEMENT OF REACTOR FUEL ELEMENT HEAT TRANSFER BY
SURFACE ROUGHNESS"
ATOMENERGI REPORT AE-271, 1971
022053 1967 AE ROUGHSURF
1FORCECONV

KJELLSTROEM;B. HEDBERG;S.
"ON SHEAR STRESS DISTRIBUTIONS FOR FLOW IN SMOOTH OR
PARTIALLY ROUGH ANNULI"
ATOMENERGI REPORT AC-243, 1966
022103 1966 AE ROUGHSURF
1FORCECONV

KLEPPER;O.H.
"TESTS OF ENHANCED HEAT TRANSFER SURFACES FOR ADVANCED GCFR"
TRANSACTIONS OF THE AMERICAN NUCLEAR SOCIETY, VOL.16, 1973,
PP.247-248
022211 1973 ** ROUGHSURF
1FORCECONV

KLEPPER;O.H.

"HEAT TRANSFER TESTS OF RIBBED SURFACES FOR ADVANCED GAS-
COOLED FAST REACTORS"
OAK RIDGE NATIONAL LABORATORY REPORT NO. ORNL-TM-4108, 1978
022212 1978 ORNL ROUGHSURF
1FORCECONV
NHC

KNUDSEN;J.G. MC CLUER;H.K.
"HARD-WATER SCALING OF FINNED TUBES AT MODERATE TEMPER-
ATURES"
CHEMICAL ENGINEERING PROGRESS SYMPOSIUM SERIES, VOL.55,
NO.29, 1959, PP.1-4
022119 1959 CEPSS ROUGHSURF
1FORCECONV MASSTRAN

KOCH;R.
"DRUCKVERLUST UND WAERMEUEBERGANG BEI VERWIRBELTER
STROEMUNG"
VEREIN DEUTSCHER INGENIEURE FORSHUNGSHEFT 469, SERIES B,
VOL.24, 1958, PP.1-44
042007 1958 ** DISPENHDEVICE
ROUGHSURF 1FORCECONV SWIRLFLO

KOKOREV;B.I. VISHNEVSKII;V.G. SEMENOV;S.M.
PLAKSIN;Y.V.
"RESULTS OF INVESTIGATING HEAT TRANSFER TUBES WITH SLIT
TRANSVERSE FINS"
THERMAL ENGINEERING, VOL.25, NO.2, 1978, PP.33-35
022259 1978 TENG ROUGHSURF
1FORCECONV

KOLAR;V.
"HEAT TRANSFER IN TURBULENT FLOW OF FLUIDS THROUGH SMOOTH
AND ROUGH TUBES"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.8,
1965, PP.639-653
022037 1965 IJHMT ROUGHSURF
1FORCECONV

KOLYKHAN;L.I. PAVLOV;Y.P. SHEININA;A.V.
"EXPERIMENTAL INVESTIGATION OF HEAT TRANSFER ENHANCEMENT IN
ANNULAR CHANNELS WITH ARTIFICIAL ROUGHNESS"
IZVESTI AKADE. NAUK BSSR, SER. FIZ.-ENERG. NAUK, NO.1, 1980,
PP.94-101
022339 1980 ** ROUGHSURF
1FORCECONV

KOROLEV;V.N. SYROMYATNIDOV;N.I.
"HEAT TRANSFER FROM A SURFACE WITH ARTIFICIAL ROUGHNESS TO
A FLUIDIZED BED"
JOURNAL OF ENGINEERING PHYSICS, VOL.28, 1975, PP.698-700
022141 1975 JEP ROUGHSURF
ADDFORGASES 1FORCECONV

KOROTAEV;V.M. GAL'TSOV;V.Y.
"EXPERIMENTAL STUDY OF AIR FLOW HYDRODYNAMICS IN A SPIRAL-
CORRUGATED HEAT EXCHANGER CHANNEL"
IZVESTIIA V.U.Z., ENERGITEKA, NO.8, 1978, PP.138-143
022257 1978 ** ROUGHSURF
1FORCECONV

KOVALENKO;V.O. MUSHIN;L.B. ORLOV;V.K.
ISGASMAN;G.Y. SHEVYAKOVA;S.A.
"PERFORATED-PLATE HEAT EXCHANGERS FOR CRYOGENIC HELIUM
UNITS"
CHEMICAL AND PETROLEUM ENGINEERING, VOL.16, 1980, NO.7-8,
PP.406-407
022353 1980 CPE ROUGHSURF
1FORCECONV

KRAMER;J.M. GATER;R.A.
"PRESSURE LOSS AND HEAT TRANSFER FOR NON BOILING FLUID
FLOW IN CONVOLUTED TUBING"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.
73-HT-23, 1973
022098 1973 ASME ROUGHSURF
1FORCECONV

KRYUKOV;V.N. SOLNTSEV;V.P.
"AN INVESTIGATION OF HEAT TRANSFER ON A ROUGH PLATE"
HEAT TRANSFER - SOVIET RESEARCH, VOL.5, NO.2, 1973,

- PP.102-105
022120 1973 HTSR ROUGHSURF
1FORCECONV
- KUMAR;P. JUDD;R.L.
"HEAT TRANSFER WITH COILED WIRE TURBULENCE PROMOTERS"
CANADIAN JOURNAL OF CHEMICAL ENGINEERING, VOL.8, 1970, PP.
378-383
022124 1970 ** ROUGHSURF
1FORCECONV
- KUWAHARA;H. NAKAYAMA;W. MORI;Y.
"HEAT TRANSFER FROM HEATED CYLINDERS WITH VARIOUS SURFACES
IN AIR/WATER MIST FLOWS"
HEAT TRANSFER - JAPANESE RESEARCH, VOL.10, NO.2, 1981,
PP.1-9
022328 1981 HTJR ROUGHSURF
1FORCECONV INJECTORSUCT
- LA RUE;J.C. LIBBY;P.A. YAMPOLSKY;J.S.
"FLUID MECHANICS AND HEAT TRANSFER SPIRALLY FLUTED TUBING"
GENERAL ATOMIC COMPANY, REPORT NO. GA-A16541, AUGUST 1981
022091 1981 ** ROUGHSURF
1FORCECONV
- LANCET;R.T.
"THE EFFECT OF SURFACE ROUGHNESS ON THE CONVECTION HEAT-
TRANSFER COEFFICIENT FOR FULLY DEVELOPED TURBULENT FLOW IN
DUCTS WITH UNIFORM HEAT FLUX"
JOURNAL OF HEAT TRANSFER, VOL.81, 1959, PP.168-174
022013 1959 JHT ROUGHSURF
1FORCECONV
- LAURO;F.
"UTILISATION DE TUBES DE TITANE LISSES ET SPECIAUX DANS
LES CONDENSEURS"
3EMES JOURNEES G.A.M.I. DU TITANE ET SES ALLIAGES, NANTES,
FRANCE, MAY 17-18, 1973
022249 1973 CEA ROUGHSURF
1FORCECONV
- LAWN;C.J.
"THE USE OF AN EDDY VISCOSITY MODEL TO PREDICT THE HEAT
TRANSFER AND PRESSURE DROP PERFORMANCE OF ROUGHNESS
SURFACES"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.17,
1974, PP.421-428
022147 1974 IJHMT ROUGHSURF
1FORCECONV
- LAWSON;C.G. KEDL;R.J. MC DONALD;R.E.
"ENHANCED HEAT TRANSFER TUBES FOR HORIZONTAL CONDENSERS
WITH POSSIBLE APPLICATIONS IN NUCLEAR POWER PLANT DESIGN"
AMERICAN NUCLEAR SOCIETY TRANSACTIONS, VOL.9, 1966,
PP.565-566
022042 1966 ANS ROUGHSURF
1FORCECONV
- LEE;G.H.
"EFFECT OF EMBOSSED VORTEX GENERATORS ON HEAT TRANSFER FROM
RECTANGULAR ALUMINUM FINNS"
THE LUMUS COMPANY LIMITED, HEAT TRANSFER DIVISION, ENGLAND,
REPORT HR118, AUGUST 1976
022333 1976 ** ROUGHSURF
1FORCECONV
- LEE;G.H.
"HEAT TRANSFER AND PRESSURE DROP FROM RECTANGULAR FIN TUBE
MATRIX"
THE LUMUS COMPANY LIMITED, HEAT TRANSFER DIVISION, ENGLAND,
REPORT NO. HR-146, OCTOBER 1978
022331 1978 ** ROUGHSURF
1FORCECONV
- LEE;G.H.
"WIND TUNNEL TESTS ON VORTEX GENERATORS FOR COOLING FINNS"
THE LUMUS COMPANY LIMITED, HEAT TRANSFER DIVISION, ENGLAND,
REPORT NO. HR112, APRIL 1976
022332 1976 ** ROUGHSURF
1FORCECONV
- LEE;G.H.
"EFFECT OF VORTEX GENERATORS ON THE HEAT TRANSFER FROM
RECTANGULAR PLATE FINNS"
THE LUMUS COMPANY LIMITED, HEAT TRANSFER DIVISION, ENGLAND,
REPORT NO. HR159, DECEMBER, 1979
022334 1979 ** ROUGHSURF
1FORCECONV
- LEGKIY;V.M. BABENKO;Y.A. DIKIY;V.A.
"HEAT TRANSFER AND DRAG OF PLATE-TYPE HEAT EXCHANGERS WITH
HEMISPHERICAL PROJECTIONS"
HEAT TRANSFER-SOVIET RESEARCH, VOL.11, NO.2, 1979, PP.143-150
022254 1979 HTSR ROUGHSURF
1FORCECONV
- LESLIE;D.C.
"THE FORM OF THE EXTENDED REYNOLDS ANALOGY FOR ROUGH
SURFACES"
LETTERS IN HEAT AND MASS TRANSFER, VOL.5, 1978, PP.99-109
022173 1978 LHMT ROUGHSURF
1FORCECONV
- LEWIS;M.J.
"ROUGHNESS FUNCTIONS, THE THERMOHYDRAULIC PERFORMANCE OF
ROUGH SURFACES AND THE HALL TRANSFORMATION - AN OVERVIEW"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.17, 1974,
PP.809-814
150020 1974 IJHMT PERFORMANCE
ROUGHSURF 1FORCECONV
- LEWIS;M.J.
"OPTIMISING THE THERMODYNAMIC PERFORMANCE OF ROUGH SURFACES"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.18, 1975,
PP.1243-1248
150021 1975 IJHMT PERFORMANCE
ROUGHSURF 1FORCECONV
- LEWIS;M.J.
"AN ELEMENTARY ANALYSIS FOR PREDICTING THE MOMENTUM- AND
HEAT-TRANSFER CHARACTERISTICS OF A HYDRAULICALLY ROUGH
SURFACE"
JOURNAL OF HEAT TRANSFER, VOL.97, 1975, PP.249-254
022150 1975 JHT ROUGHSURF
1FORCECONV
- LEWIS;M.J.
"ERRORS THAT ARISE WHEN ESTIMATING THE HEAT TRANSFER
CHARACTERISTICS OF ROUGH SURFACES FROM 'BULK' MEASUREMENTS
IN ANNULAR CHANNELS"
TM-IN-535, EIR, MAY 1973
022213 1973 ** ROUGHSURF
1FORCECONV NHC
- LI;H.M. YE;K.S. TAN;Y.K.
DENG;S.J.
"INVESTIGATION ON TUBE-SIDE FLOW VISUALIZATION, FRICTION
FACTORS AND HEAT TRANSFER CHARACTERISTICS OF HELICAL-
RIDGING TUBES"
HEAT TRANSFER 1982, VOL.3, HEMISPHERE PUBLISHING COMPANY,
WASHINGTON, D.C., 1982, PP.75-80
022335 1982 VIIHTC ROUGHSURF
1FORCECONV
- LIGRANI;P.M.
"THE THERMAL AND HYDRODYNAMIC BEHAVIOR OF THICK, ROUGH-WALL,
TURBULENT BOUNDARY LAYERS"
DISSERTATION, STANFORD UNIVERSITY, 1980
022314 1980 ** ROUGHSURF
1FORCECONV
- LUDWIG;D.L.
"INFLUENCE OF SURFACE ROUGHNESS ON FRICTION AND HEAT
TRANSFER FOR SINGLE PHASE FLOW IN TUBES"
GA-10296, 1970
022214 1970 ** ROUGHSURF
1FORCECONV
- LYALL;H.G. PIRIE;M.A.M.
"VARIATION OF STANTON NUMBER WITH PRANDTL NUMBER FOR ROUGH
AND SMOOTH SURFACES AT GAS-COOLED REACTOR CONDITIONS"

CENTRAL ELECTRICITY GENERATING BOARD REPORT NO. RD B N-2857,
BERKELEY, ENGLAND, FEBRUARY 1974
022215 1974 ** ROUGHSURF
1FORCECONV
NHC

MA;T.-Z. ZHANG;B.-D. AN;Z.-Q.
YANG;Y.-X. QIAO;Y.-S.
"HEAT TRANSFER AND FRICTION FOR TURBULENT FLOW IN ANNULI
WITH REPEATED-RIB ROUGHNESS"
JOURNAL OF ENGINEERING THERMOPHYSICS, VOL.2, NO.3, 1981,
PP.269-275
022163 1981 ** ROUGHSURF
1FORCECONV

MACK, JR.;W.M. ROHSENOW;W.M.
"EVALUATION OF THE HEAT TRANSFER PERFORMANCE OF THREE
ENHANCED SURFACES INCLUDING AN ENHANCED SURFACE HEAT
EXCHANGER PERFORMANCE COMPARISON METHOD"
ENGINEERING PROJECTS LABORATORY REPORT DSR 73490-86,
MASSACHUSETTS INSTITUTE OF TECHNOLOGY, JUNE, 1974
022119 1974 MIT ROUGHSURF
1FORCECONV POOLBOIL PERFORMANCE

MALHERBE;J.-M.
"INFLUENCE OF SURFACE ROUGHNESS ON THE HEAT TRANSFER
COEFFICIENT AND FRICTION FACTOR"
PH.D. THESIS, UNIVERSITY OF PARIS, 1963
022022 1963 ** ROUGHSURF
1FORCECONV
NHC

MANTLE;D.L. FREEMAN;A.R. WATTS;J.
"CONDUCTIVITY EFFECTS ON RIBBED SURFACE HEAT TRANSFER"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.14,
1971, PP.1825-1834
022094 1971 IJHMT ROUGHSURF
1FORCECONV

MANTLE;P.L.
"A NEW TYPE OF ROUGHENED HEAT TRANSFER SURFACE SELECTED BY
FLOW VISUALIZATION TECHNIQUES"
PROCEEDINGS OF THE THIRD INTERNATIONAL HEAT TRANSFER
CONFERENCE, AMERICAN INSTITUTE OF CHEMICAL ENGINEERS, NEW
YORK, VOL.1, 1966, PP.43-55
022047 1966 IIIIHTC ROUGHSURF
1FORCECONV

MANTLE;P.L.
"A PROGRAMME OF WORK TO DEVELOP A MODIFIED TYPE OF AGR FUEL
CLUSTER OFFERING A LARGE IMPROVEMENT IN HEAT TRANSFER
PERFORMANCE"
CENTRAL ELECTRICITY GENERATING BOARD REPORT NO. RD/B/N-833,
BERKELEY, ENGLAND, 1967
022217 1967 ** ROUGHSURF
1FORCECONV
NHC

MAREK;J. REHME;K.
"EXPERIMENTAL STUDY OF THE TEMPERATURE DISTRIBUTION BELOW
SPACERS IN SMOOTH AND ROUGH ROD CLUSTERS"
EURFNR-1257, 1975
022140 1975 ** ROUGHSURF
1FORCECONV

MASSEY;F.A.
"HEAT TRANSFER AND FLOW IN ANNULI HAVING ARTIFICIALLY
ROUGHENED INNER SURFACES"
PH.D. THESIS, UNIVERSITY OF WISCONSIN, 1966
022046 1966 ** ROUGHSURF
1FORCECONV

MAUBAUCH;K.
"ROUGH ANNULUS PRESSURE DROP-INTERPRETATION OF EXPERIMENTS
AND RECALCULATION FOR SQUARE RIBS"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.15,
1972, PP.2489-2498
022167 1972 IJHMT ROUGHSURF
1FORCECONV

MAULBETSCH;J.S. PRAUGHT;R.B.

"EVALUATION OF CONVOLUTED SPIRAL TUBE FOR APPLICABILITY TO
LIQUID-LIQUID HEAT EXCHANGER"
DYNATECH CORPORATION REPORT NO. 762, JANUARY 2, 1968
022127 1968 ** ROUGHSURF
1FORCECONV

MC CARTHY;J.R. TREBES;D.M. SEADER;J.D.
"THE INFLUENCE OF SURFACE ROUGHNESS ON THE HEAT TRANSFER
TO GASEOUS HYDROGEN FLOWING TURBULENTLY IN ROUND CROSS-
SECTIONAL TUBES"
PROCEEDINGS OF 1968 HEAT TRANSFER AND FLUID MECHANICS
INSTITUTE, STANFORD UNIVERSITY PRESS, 1968, PP.33-46
022062 1968 HTFMI ROUGHSURF
1FORCECONV

MC DONALD;C.F. VRABLE;D.L. VAN HAGEN;T.H.
KING;J.H. SPRING;J.H.
"HEAT EXCHANGER DESIGN CONSIDERATIONS FOR HIGH-TEMPERATURE
GAS-COOLED REACTOR (HTGR) PLANTS"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS, PAPER NO.80-HT-62,
1980
032250 1980 ASME EXTENDED SURF
1FORCECONV ROUGHSURF

MC FARLAND;F. TARAKOFF;W.
"STUDY OF IMPINGEMENT HEAT TRANSFER WITH ROUGH SURFACES"
AD-A022 617/5SL, 1975
022143 1975 ** ROUGHSURF
1FORCECONV

MEERWALD;E.
"PRESSURE LOSS AND HEAT TRANSFER ON SMOOTH AND ROUGH SURFACE
AT HIGH TEMPERATURES AND TURBULENT FLOW AND THEIR
REPRESENTATION BY UNIVERSAL LAWS"
NP-19112, 1971
022166 1971 ** ROUGHSURF
1FORCECONV

MELESE;G.B.
"COMPARISON OF PARTIAL ROUGHENING OF THE SURFACE OF FUEL
ELEMENTS WITH OTHER WAYS OF IMPROVING PERFORMANCE OF GAS
COOLED NUCLEAR REACTORS"
GENERAL ATOMIC REPORT GA-4624, 1963
022023 1963 ** ROUGHSURF
1FORCECONV

MELESE-D'HOSPITAL;G.
"GAS-COOLED FAST REACTOR PERFORMANCE WITH VARIOUS DEGREES
OF SURFACE ROUGHNESS"
GENERAL ATOMIC REPORT GA-8263, OCTOBER 1967
022219 1967 ** ROUGHSURF
1FORCECONV

MELESE-D'HOSPITAL;G.
"PERFORMANCE OF GCFR'S WITH ARTIFICIALLY ROUGHENED FUEL
ELEMENTS"
NUCLEAR SCIENCE AND ENGINEERING, VOL.33, 1968, PP.271-283
022220 1968 ** ROUGHSURF
1FORCECONV

METZGER;D.E. FAN;C.S. PENNINGTON;J.W.
"HEAT TRANSFER AND FLOW FRICTION CHARACTERISTICS OF VFRY
ROUGH TRANSVERSE RIBBED SURFACES WITH AND WITHOUT PIN
FINS"
ASME-JSME THERMAL ENGINEERING JOINT CONFERENCE
PROCEEDINGS, HONOLULU, HAWAII, MARCH 1983, VOL.1, PP.429-435
022365 1983 ** ROUGHSURF
1FORCECONV EXTENDED SURF

MEYER;L. NEU;W.
"HEAT TRANSFER AND PRESSURE DROP AT SINGLE PINS WITH THREE-
DIMENSIONAL ROUGHNESS"
KERNFORSCHUNGSZENTRUM KARLSRUHE, REPORT NO. KFK 3165,
APRIL 1981
022287 1981 ** ROUGHSURF
1FORCECONV

MEYER;L.
"HEAT TRANSFER AND PRESSURE DROP AT SINGLE RODS WITH THREE-
DIMENSIONAL ROUGHNESSES: LARGE SCALE TESTS"
KERNFORSCHUNGSZENTRUM KARLSRUHE, REPORT NO. KFK 3164, APRIL

- 1981
022289 1981 ** ROUGHSURF
1FORCECONV
- MEYER;L.
"VELOCITY AND TEMPERATURE PROFILES IN ROUGH ANNULI"
KERNFORSCHUNGSZENTRUM KARLSRUHE, REPORT NO. KFK 3163, APRIL 1981
- 022290 1981 ** ROUGHSURF
1FORCECONV
- MEYER;L.
"VELOCITY DISTRIBUTION AND PRESSURE LOSS AT THREE-DIMENSIONAL ROUGHNESSES"
KERNFORSCHUNGSZENTRUM KARLSRUHE, REPORT NO. 3026, SEPTEMBER 1980
- 022291 1980 ** ROUGHSURF
1FORCECONV
- MEYER;L.
"FRICTION AND HEAT TRANSFER CORRELATIONS FOR THE ROUGHNESS OF THE BR2-CALIBRATION ELEMENT"
KERNFORSCHUNGSZENTRUM KARLSRUHE, REPORT NO. 2986, SEPTEMBER 1980
- 022292 1980 ** ROUGHSURF
1FORCECONV
- MEYER;L. REHME;K.
"HEAT TRANSFER AND PRESSURE DROP MEASUREMENTS WITH ROUGHENED SINGLE PINS COOLED BY VARIOUS GASES"
KERNFORSCHUNGSZENTRUM KARLSRUHE, REPORT NO. 2980, AUGUST 1980
- 022293 1980 ** ROUGHSURF
1FORCECONV
- MEYER;L. VOGEL;L.
"THE VELOCITY DISTRIBUTION AND PRESSURE LOSS AT ARTIFICIAL ROUGHNESSES WITH SHARP AND ROUNDED EDGES"
KERNFORSCHUNGSZENTRUM KARLSRUHE, REPORT NO. KFK 2885, NOVEMBER 1979
- 022294 1979 ** ROUGHSURF
1FORCECONV
- MEYER;L.
"THERMOHYDRAULIC CHARACTERISTICS OF SINGLE RODS WITH THREE-DIMENSIONAL ROUGHNESS"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.25, 1982, PP.1043-1058
- 022327 1982 IJHMT ROUGHSURF
1FORCECONV
- MIGAI;V.K. BYSTROV;P.G.
"INTENSIFICATION OF CONVECTIVE HEAT TRANSFER IN PIPES BY MEANS OF THREE-DIMENSIONAL ROUGHNESS"
HEAT TRANSFER - SOVIET RESEARCH, VOL.6, NO.3, 1974, PP.149-154
- 022138 1974 HTSR ROUGHSURF
1FORCECONV
- MIGAI;V.K. BISTROV;P.G.
"HEAT TRANSFER INTENSIFICATION IN CORRUGATED PIPES"
ABSTRACTED IN THERMAL ENGINEERING, VOL.23, NO.11, 1976, P.80
- 022158 1976 TENG ROUGHSURF
1FORCECONV
- MIGAI;V.K. ZHITOMIRSKAYA;I.V.
"ON THE EFFECT OF PRANDTL NUMBERS ON HEAT TRANSFER IN ROUGH TUBES"
TEPLOFIZIKA VYSOKIKH TEMPERATUR, VOL.14, NO.2, PP.418-421
- 022174 1976 ** ROUGHSURF
1FORCECONV
- MIGAI;V.K. BYSTROV;P.G.
"HEAT TRANSFER IN PROFILED TUBES"
THERMAL ENGINEERING, VOL.28, 1981, PP.178-182
- 022351 1981 TENG ROUGHSURF
1FORCECONV
- MIGAI;V.K.
"HEAT TRANSFER IN ROUGH PIPES"
HEAT TRANSFER - SOVIET RESEARCH, VOL.1, NO.2, 1969, PP.
- 69-79
022068 1969 HTSR ROUGHSURF
1FORCECONV
- MILLIONSHCHIKOV;M.D.
"TURBULENT HEAT AND MASS TRANSFER IN PIPES WITH SMOOTH AND ROUGH WALLS"
ATOMNAYA ENERGIYA, VOL.31, 1971, PP.199-204
- 022089 1971 ** ROUGHSURF
1FORCECONV
- MIMURA;K. ISOZAKI;A.
"HEAT TRANSFER AND PRESSURE DROP OF CORRUGATED TUBES"
DESALINATION, VOL.22, 1977, PP.131-139
- 022244 1977 ** ROUGHSURF
1FORCECONV
- MINGALEEVA;G.S. MIRONOV;Y.V. RAZINA;N.S.
FOMICHEVA;T.I.
"HEAT TRANSFER IN GAS-COOLED ASSEMBLIES WITH ARTIFICIAL ROUGHNESS"
SOVIET ATOMIC ENERGY, VOL.51, 1981, PP.805-806
- 022369 1981 ** ROUGHSURF
1FORCECONV
- MINYAILENKO;N.A. SMENKOVSKAYA;P.T.
"INTENSIFICATION OF HEAT EXCHANGE IN BUNDLES OF RODS LONGITUDINALLY BATHED BY GAS"
INZHENERNO FIZICHESKII ZHURNAL, VOL.33, NO.1, 1977, PP.17-20
- 022198 1977 ** ROUGHSURF
1FORCECONV
- MOFFAT;R.J. HEALZER;J.M. KAYS;W.M.
"EXPERIMENTAL HEAT TRANSFER BEHAVIOR OF A TURBULENT BOUNDARY LAYER ON A ROUGH SURFACE WITH BLOWING"
JOURNAL OF HEAT TRANSFER, VOL.100, 1978, PP.134-142
- 142019 1978 JHT COMPOUNDTech
1FORCECONV ROUGHSURF INJECTORSUCT
- MOLLOY;J.
"ROUGH TUBE FRICTION FACTORS AND HEAT TRANSFER COEFFICIENTS IN LAMINAR AND TRANSITION FLOW"
ATOMIC ENERGY RESEARCH ESTABLISHMENT REPORT AERE-R 5475, 1967
- 022056 1967 AERE ROUGHSURF
1FORCECONV
- MONOH;S.K.
"AN EDDY-VISCOSITY APPROACH TO THE CALCULATION OF VELOCITY AND HEAT TRANSFER PROPERTIES OF FLOW IN ROUGH PIPES"
LETTERS IN HEAT AND MASS TRANSFER, VOL. 6, NO. 2, 1979, PP. 125-130
- 022193 1978 LHMT ROUGHSURF
1FORCECONV
- MORI;Y. DAIKORU;T.
"EFFECT OF 2-DIMENSIONAL ROUGHNESS ON FORCED CONVECTIVE HEAT TRANSFER"
BULLETIN JAPAN SOCIETY OF MECHANICAL ENGINEERS, VOL.15, NO.90, 1972, PP.1581-1590
- 022099 1972 BJSME ROUGHSURF
1FORCECONV
- MORI;Y. HIJIKATA;K. ISHIKURO;H.
YOSHIDA;H.
"FUNDAMENTAL RESEARCH ON THE HEAT TRANSFER ENHANCEMENT DUE TO SMOOTH BUMP ARRAYS ON THE WALL OF FLOW PASSAGE"
PROCEEDINGS OF THE 19TH JAPANESE HEAT TRANSFER SYMPOSIUM, PAPER A105, 1982, PP.13-15
- 022391 1982 ** ROUGHSURF
1FORCECONV
- MULLISEN;R.S.
"HEAT TRANSFER, PRESSURE DROP, AND FLUID FLOW IN INTERRUPTED WALL PASSAGES"
PH.D. THESIS, MECHANICAL ENGINEERING DEPARTMENT, COLORADO STATE UNIVERSITY, FORT COLLINS, COLORADO, 1983
- 022372 1983 ** ROUGHSURF
1FORCECONV
- MULLISEN;R.S. LOEHRKE;R.I.

"ENHANCED HEAT TRANSFER IN PARALLEL PLATE ARRAYS"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.
83-HT-43, 1983

022380 1983 ASME ROUGHSURF
1FORCECONV

MURPHY;R.W. TRUESDALE;K.L.
"THE MECHANISM AND THE MAGNITUDE OF FLOW BOILING
AUGMENTATION IN TUBES WITH DISCRETE SURFACE ROUGHNESS
ELEMENTS (III)"

RAYTHEON COMPANY REPORT BR-7294, NOVEMBER 1972
024022 1972 ** ROUGHSURF
FLOBOIL 1FORCECONV

NAGAOKA;Z. WATANABE;A.
"MAXIMUM RATE OF HEAT TRANSFER WITH MINIMUM LOSS OF ENERGY"
PROCEEDINGS 7TH INTERNATIONAL CONGRESS ON REFRIGERATION,
VOL.3, 1936, PP.221-245

022002 1936 ** ROUGHSURF
1FORCECONV

NAKAYAMA;W. TAKAHASHI;K. DAIKOKU;T.
"SPIRAL RIBBING TO ENHANCE SINGLE-PHASE HEAT TRANSFER
INSIDE TUBES"
ASME-JSME THERMAL ENGINEERING JOINT CONFERENCE PRO-
CEEDINGS, HONOLULU, HAWAII, MARCH 1983, VOL.1, PP.365-372

022366 1983 ** ROUGHSURF
1FORCECONV

NATHAN;D.I. PIRIE;M.A.M.
"ON THE INTERPERTATION OF HEAT TRANSFER AND PRESSURE DROP
TESTS ON ROUGHENED RODS IN SMOOTH CIRCULAR CHANNELS"
CENTRAL ELECTRICITY GENERATING BOARD REPORT NO. RD/B/N-1370,
BERKELEY, ENGLAND, FEBRUARY 1967

022221 1967 ** ROUGHSURF
1FORCECONV
NHC

NAZMEEV;Y.G.
"CONVECTIVE HEAT TRANSFER ENHANCEMENT IN ANOMALOUS-VISCOUS
MEDIA BY USING ARTIFICIAL PERIODIC ROUGHNESS"
JOURNAL OF ENGINEERING PHYSICS, VOL.36, 1979, PP.16-20

022196 1979 ** ROUGHSURF
1FORCECONV

NEAL;S.B.H.C. HITCHCOCK;J.A.
"THE DEVELOPMENT OF IMPROVED HEAT TRANSFER SURFACES FOR
TUBES IN CROSS FLOW, USING A LARGE SCALE MODEL TECHNIQUE"
HEAT TRANSFER 1970, VOL.III, PAPER FC7.8, ELSEVIER PUBLISH-
ING COMPANY, AMSTERDAM, 1970

022078 1970 IVIHTC ROUGHSURF
1FORCECONV

NESTLER;D.E.
"COMPRESSIBLE TURBULENT BOUNDARY LAYER HEAT TRANSFER TO
ROUGH SURFACES"
PAPER NO. 70-742 FOR AMERICAN INSTITUTE OF AERONAUTICS AND
ASTRONAUTICS THIRD FLUID AND PLASMA DYNAMICS CONFERENCE,
LOS ANGELES, JUNE 1970

022086 1970 AIAA ROUGHSURF
1FORCECONV

NESTLER;D.E.
"HEAT-TRANSFER NON-UNIFORMITIES DOWNSTREAM OF THREE-
DIMENSIONAL BOUNDARY LAYER TRIPS"
HEAT TRANSFER 1982, VOL.3, HEMISPHERE PUBLISHING COMPANY,
WASHINGTON, D.C., 1982, PP.195-200

022336 1982 VIIHTC ROUGHSURF
1FORCECONV

NIETHAMMER;J.E.
"HEAT TRANSFER AND PRESSURE DROP CHARACTERISTICS FOR
AIRFLOW OVER ARRAYS OF RECTANGULAR MODULES"
M.S. THESIS, MECHANICAL ENGINEERING DEPARTMENT, UNIVERSITY
OF MINNESOTA, MINNEAPOLIS, 1982

022375 1982 ** ROUGHSURF
1FORCECONV

NIINO;M. SUZUKI;A. KUMAKAWA;A.
SAKAMOTO;H. SASAKI;M.
"HEAT TRANSFER IN ROUGH TUBES TO SUPERCRITICAL HYDROGEN"

HEAT TRANSFER - JAPANESE RESEARCH, VOL. 9, NO. 2, 1980,
PP.61-91

022302 1980 HTJR ROUGHSURF
1FORCECONV

NIKITIN;I.K.
"APPROXIMATE CALCULATION OF HEAT AND MASS TRANSFER IN THE
TURBULENT BOUNDARY LAYER OF A SURFACE WITH ARBITRARY
ROUGHNESS PROPERTIES"

HEAT TRANSFER - SOVIET RESEARCH, VOL.5, NO.3, 1973,
PP.106-112

022182 1973 HTSR ROUGHSURF
1FORCECONV MASSTRAN

NINKO;M. SUZUKI;A. KUMAKAWA;A.
SAKAMOTO;H. SASAKI;M.
"HEAT TRANSFER IN ROUGH TUBES TO SUPERCRITICAL HYDROGEN"
HEAT TRANSFER - JAPANESE RESEARCH, VOL.9, NO.2, 1980, PP.
61-91

022139 1980 HTJR ROUGHSURF
1FORCECONV

NISHIWAKI;N. SAKUMA;T. TSUCHIDA;A.
TANAKA;H.
"HEAT TRANSFER IN A SEPARATED FLOW REGION DOWN STREAM OF A
ROUGHNESS ELEMENT"
HEAT AND MASS TRANSFER SOURCEBOOK; FIFTH ALL-UNION CON-
FERENCE, MINSK, SCRIPTA PUBLISHING COMPANY, WASHINGTON,
1977, PP.61-66

022263 1977 ** ROUGHSURF
1FORCECONV

NORRIS;R.H.
"FORCED CONVECTION SURFACE-ROUGHNESS EFFECTS IN DUCTS",
GENERAL ELECTRIC COMPANY HEAT TRANSFER AND FLUID FLOW DATA
BOOK, SECTION G-503.7, JANUARY 1971

000016 1971 ** ROUGHSURF
1FORCECONV LITSURVEY

NORRIS;R.H.
"SOME SIMPLE APPROXIMATE HEAT TRANSFER CORRELATIONS FOR
TURBULENT FLOW IN DUCTS WITH ROUGH SURFACES"
AUGMENTATION OF CONVECTIVE HEAT AND MASS TRANSFER,
AMERICAN SOCIETY OF MECHANICAL ENGINEERS, NEW YORK, 1970,
PP.16-26

022069 1970 ACHMT ROUGHSURF
1FORCECONV

NORRIS;R.H.
"THE EFFECT OF THE TRANSVERSE-RIB TYPE OF ROUGHNESS ON
HEAT TRANSFER AND FRICTION FACTOR FOR TURBULENT FLOW AIR
IN DUCTS"

GENERAL ELECTRIC RESEARCH AND DEVELOPMENT CENTER, REPORT
68-C-273, JULY 1968

022116 1968 ** ROUGHSURF
1FORCECONV

NOVOZHILOV;I.F. MIGAI;V.K.
"INTENSIFYING CONVECTIVE HEAT TRANSFER WITHIN TUBES BY
MEANS OF INDUCED ROUGHNESS"
THERMAL ENGINEERING, VOL.11, NO.9, 1964, PP.74-77

022029 1964 TENG ROUGHSURF
1FORCECONV

NUNNER;W.
"WÄRMEEBERGANG UND DRUCKABFALL IN RAUHEN ROHREN"
VEREIN DEUTSCHER INGENIEURE-FORSCHUNGSHEFT 455, SERIES B,
VOL.22, 1956, PP.5-39. AERE LIB./TRANS.768, 1958

022012 1956 ** ROUGHSURF
1FORCECONV

O'BRIEN;J.E. SPARROW;E.M.
"CORRUGATED-DUCT HEAT TRANSFER, PRESSURE DROP, AND FLOW
VISUALIZATION"

JOURNAL OF HEAT TRANSFER, VOL.104, 1982, PP.410-416
022108 1982 JHT ROUGHSURF
1FORCECONV

O'BRIEN;J.E.
"CORRUGATED-DUCT HEAT TRANSFER, PRESSURE DROP AND FLOW
VISUALIZATION"

M.S. THESIS, MECHANICAL ENGINEERING DEPARTMENT, UNIVERSITY
OF MINNESOTA, MINNEAPOLIS, 1981
022374 1981 ** ROUGHSURF
1FORCECONV

OBERMEIER;E. SCHABER;A.
"EXPERIMENTAL INVESTIGATION OF HEAT TRANSFER FROM TRANSVERSE
FINNED TUBES WITH LONGITUDINAL FLOW"
HEAT TRANSFER 1978, VOL.2, HEMISPHERE PUBLISHING CORPORATION
WASHINGTON, D.C., 1978, PP.613-618
022252 1978 VIIHTC ROUGHSURF
1FORCECONV

OWEN;P.R. THOMPSON;W.R.
"HEAT TRANSFER ACROSS ROUGH SURFACES"
JOURNAL OF FLUID MECHANICS, VOL.15, 1963, PP.321-334
022020 1963 ** ROUGHSURF
1FORCECONV

PAEGLE;K.K. GRISLIS;V.J. SAVELYEV;P.A.
CHAKSH;S.A.
"HEAT EXCHANGE INTENSIFICATION IN TUBULAR HEAT EXCHANGER
BY MEANS OF THREAD SHAPED SURFACE"
LATV. PSR ZINAT. AKAD. VESTIS, FIZ. TECH. ZINAT. SER., 1967,
NO.1, PP.123-126
022394 1967 ** ROUGHSURF
1FORCECONV

PATANKAR;S.V. LIU;C.H. SPARROW;E.M.
"FULLY DEVELOPED FLOW AND HEAT TRANSFER IN DUCTS HAVING
STREAMWISE-PERIODIC VARIATIONS OF CROSS-SECTIONAL AREA"
JOURNAL OF HEAT TRANSFER, VOL.99, 1977, PP.180-186
022157 1977 JHT ROUGHSURF
DISPENHDEVICE 1FORCECONV

PATUN;R.J. KRUEGER;R.H. STARNER;K.E.
"FOULING STUDIES AND HEAT TRANSFER TEST STAND REAL TIME
DATA ACQUISITION SYSTEM"
FOULING OF HEAT TRANSFER EQUIPMENT, HEMISPHERE
PUBLISHING CORPORATION, WASHINGTON, 1983, PP.111-131
052115 1983 ** SWIRLFLO
1FORCECONV ROUGHSURF

PESCOD;D.
"THE EFFECTS OF TURBULENCE PROMOTERS ON THE PERFORMANCE OF
PLATE HEAT EXCHANGERS"
HEAT EXCHANGERS: DESIGN AND THEORY SOURCEBOOK, SCRIPTA
BOOK COMPANY, WASHINGTON, 1974, PP.601-616
022248 1972 ** ROUGHSURF
1FORCECONV

PESCOD;D.
"A HEAT EXCHANGER FOR ENERGY SAVING IN AN AIR-CONDITIONING
PLANT"
ASHRAE TRANSACTIONS, VOL.85, PART 2, 1979, PP.238-251
022192 1979 ASHRAET ROUGHSURF
1FORCECONV

PESCOD;D.
"AN ADVANCE IN PLATE HEAT EXCHANGER GEOMETRY GIVING
INCREASED HEAT TRANSFER"
COMPACT HEAT EXCHANGERS - HISTORY, TECHNOLOGICAL ADVANCEMENT
AND MECHANICAL DESIGN PROBLEMS, HTD-VOL. 10, ASME,
NEW YORK, 1980, PP. 73-77
022300 1980 ** ROUGHSURF
1FORCECONV

PILIPENKO;V.N.
"HEAT AND MASS TRANSFER IN TURBULENT FLOWS OVER A ROUGH
SURFACE"
HEAT TRANSFER - SOVIET RESEARCH, VOL.9, NO.4, 1977, PP.78-82
022239 1977 HTSR ROUGHSURF
1FORCECONV MASSTRAN

PIMENTA;M.M. MOFFAT;R.J. KAYS;W.M.
"THE STRUCTURE OF A BOUNDARY LAYER ON A ROUGH WALL WITH
BLOWING AND HEAT TRANSFER"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.78-HT-3,
1978
142009 1978 ASME COMPOUNDTECH
1FORCECONV ROUGHSURF INJECTORSUCT

PINKEL;B.
"A SUMMARY OF NACA RESEARCH ON HEAT TRANSFER AND FRICTION
FOR AIR FLOWING THROUGH TUBE WITH LARGE TEMPERATURE
DIFFERENCE"
TRANSACTIONS OF THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS
VOL.76, 1954, PP.305-317
022007 1954 ASME ROUGHSURF
1FORCECONV

POVARNITSYN;M.S.
"HEAT TRANSFER IN THE TURBULENT FLOW OF DISSOCIATING AND
VIBRATIONALLY RELAXING GAS IN A CHANNEL WITH ROUGH WALLS"
HIGH TEMPERATURE, VOL.20, NO.2, 1982, PP.236-243
022145 1982 ** ROUGHSURF
1FORCECONV

PUCHKOV;P.I. VINOGRADOV;O.S.
"HEAT TRANSFER AND HYDRAULIC RESISTANCE IN ANNULAR CHANNELS
WITH SMOOTH AND ROUGH HEAT TRANSFER SURFACES"
HEAT AND MASS TRANSFER, VOL.1. ISRAEL PROGRAM FOR
SCIENTIFIC TRANSLATIONS, JERUSALEM, 1967
022052 1967 ** ROUGHSURF
1FORCECONV

RAMPF;H. FEURSTEIN;Q.
"WAERMEUEBERGANG UND DRUCKVERLUST AN DREIECKSFÖRMIGEN
RAUHIGKEITEN IN TURBULENTER RINGSPALTSTROMUNG"
HEAT TRANSFER 1970, VOL.II, PAPER FC5.3, ELSEVIER PUBLISH-
ING COMPANY, AMSTERDAM, 1970
022073 1970 VIIHTC ROUGHSURF
1FORCECONV

RAO;C.K. PICOT;J.J.C.
"THE EFFECT OF TURBULENCE PROMOTERS ON HEAT AND MOMENTUM
TRANSFER FOR AIR FLOW IN AN ANNULUS"
HEAT TRANSFER 1970, VOL.II, PAPER FC4.8, ELSEVIER PUBLISH-
ING COMPANY, AMSTERDAM, 1970
022072 1970 VIIHTC ROUGHSURF
1FORCECONV

RAO;S.R.M. RAO;M.R.
"FLOW AND HEAT TRANSFER STUDIES IN AN AIR-FLUIDIZED BED WITH
A SPIRALLY GROOVED INTERNAL TUBE"
PROCEEDINGS FIFTH NATIONAL HEAT AND MASS TRANSFER
CONFERENCE, HYDERBAD, INDIA, FEBRUARY 1980, PP.283-291
142029 1980 ** COMPOUNDTECH
ROUGHSURF ADDFORGASES 1FORCECONV

RAPIER;A.C.
"A CORRELATION OF FLOW AND HEAT TRANSFER DATA FOR SURFACES
ROUGHENED WITH TRANSVERSE SQUARE RIBS OF PITCH TO HEIGHT
RATIO OF 7.2"
UNITED KINGDOM ATOMIC ENERGY RESEARCH ESTABLISHMENT REPORT
NO. ND-R-63(W), NOVEMBER 1977
022261 1977 ** ROUGHSURF
1FORCECONV
NHC

RAPIER;A.C. JONES;T.M.
"FORCED CONVECTION HEAT TRANSFER FROM RIB-ROUGHENED PINS
TESTED SINGLY AND IN A CLUSTER OF SEVEN"
UNITED KINGDOM ATOMIC ENERGY RESEARCH ESTABLISHMENT REPORT
NO. ND-R-487(W), 1980
022320 1980 ** ROUGHSURF
1FORCECONV

RAPIER;A.C. JONES;T.M.
"THE PREDICTION OF TEMPERATURES IN A CLUSTER OF SEVEN RIB-
ROUGHENED HEATED PINS"
UNITED KINGDOM ATOMIC ENERGY RESEARCH ESTABLISHMENT REPORT
NO. ND-R-488(W), 1980
022321 1980 ** ROUGHSURF
1FORCECONV
NHC

RAPIER;A.C. JONES;T.M. SNOOK;S.C.
"A COMPARISON OF MEASURED AND CALCULATED TEMPERATURES IN
CLUSTERS OF 7 PINS HAVING SMOOTH, TRANSVERSE RIBBED AND
HELICAL RIBBED SURFACES"
UNITED KINGDOM ATOMIC ENERGY RESEARCH ESTABLISHMENT REPORT

- NO. ND-R-449(W), 1980
022349 1980 ** ROUGHSURF
1FORCECONV
NHC
- RATNIKOV;B.F. SHEINKMAN;A.G. PAKHALUEV;V.M.
SCHEKLEIN;S.E.
"HEAT TRANSFER OF TURBULENT LIQUID FILM TO A ROUGH SURFACE
UNDER CONDITIONS OF FREE RUN-OFF"
THERMAL ENGINEERING, VOL.24, NO.4, 1977, PP.62-64
022121 1971 TENG ROUGHSURF
1FORCECONV
- REHME;K.
"THERMAL-HYDRAULIC EXPERIMENTS WITH A CLUSTER OF 12
ROUGHENED RODS"
KERNFORSCHUNGSZENTRUM KARLSRUHE, REPORT NO. KFK 3103,
FEBRUARY 1981
022288 1981 ** ROUGHSURF
1FORCECONV
- REHME;K.
"THERMALHYDRAULIC EXPERIMENTS WITH A CLUSTER OF 19 RODS
ROUGHENED BY A NOVEL TYPE OF ROUGHNESS"
KERNFORSCHUNGSZENTRUM KARLSRUHE, REPORT NO. KFK 3102.
FEBRUARY 1981
022295 1981 ** ROUGHSURF
1FORCECONV
- RESHOTKO;M. BOLDMAN;D.R. EHLERS;R.C.
"EFFECTS OF ROUGHNESS ON HEAT TRANSFER IN CONICAL NOZZLES"
AUGMENTATION OF CONVECTIVE HEAT AND MASS TRANSFER,
AMERICAN SOCIETY OF MECHANICAL ENGINEERS, NEW YORK, 1970,
PP.63-69
022085 1970 ACHMT ROUGHSURF
1FORCECONV
- RESHOTKO;M.
"ROUGHNESS EFFECTS ON HEAT TRANSFER IN SUPERSONIC REGION OF
A CONICAL NOZZLE"
JOURNAL OF SPACECRAFT AND ROCKETS, VOL.8, 1971, PP.1097-1099
022090 1971 ** ROUGHSURF
1FORCECONV
- RIFERT;V.G. BARABASH;P.A. GOLUBEV;A.B.
TOBILEVICH;A.N. TROKOZ;Y.E.
"INTENSIFICATION OF HEAT TRANSFER IN HORIZONTAL TUBES BY
MEANS OF COILED WIRES"
KHOLODILN. TEKHN., VOL.4, 1981, PP.23-25
022340 1981 ** ROUGHSURF
1FORCECONV
NHC
- ROADMAN;R.E. LOEHRKE;R.I.
"LOW REYNOLDS NUMBER FLOW BETWEEN INTERRUPTED FLAT PLATES"
JOURNAL OF HEAT TRANSFER, VOL.105, 1983, PP.166-171
022371 1983 JHT ROUGHSURF
1FORCECONV
- ROBLES;H.
"PRESSURE LOSS AND FORCED CONVECTION HEAT TRANSFER
CHARACTERISTICS OF CONVOLUTED TUBING"
MASTERS THESIS, UNIVERSITY OF FLORIDA, 1973
022194 1973 ** ROUGHSURF
1FORCECONV
- ROSENBLAD;G. KULLENDORF;A.
"ESTIMATING HEAT TRANSFER RATES FROM MASS TRANSFER STUDIES
ON PLATE HEAT EXCHANGER SURFACES"
WAERME- UND STOFFUEBERTRAGUNG, VOL.8, 1975, PP.187-191
032149 1975 ** EXTENDED SURF
1FORCECONV ROUGHSURF MASSTRAN
- ROWLEY;G.J. PATANKAR;S.V.
"ANALYSIS OF LAMINAR FLOW AND HEAT TRANSFER IN TUBES
WITH INTERNAL CIRCUMFERENTIAL FINS"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.
83-HT-40, 1983
022379 1983 ASME ROUGHSURF
1FORCECONV
- ROZALOWSKI;G.R. GATER;R.A.
"PRESSURE LOSS AND HEAT TRANSFER CHARACTERISTICS FOR HIGH
VISCIOUS FLUID FLOW IN CONVOLUTED TUBING"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.75-HT-40,
1975
022015 1975 ASME ROUGHSURF
1FORCECONV
- RUDENKO;J.M. SPODYRYAK;N.T.
"AN AIR HEATER MADE OF CORRUGATED TUBES"
THERMAL ENGINEERING, VOL.24, NO.6, 1977, PP.8-10
022242 1977 TENG ROUGHSURF
1FORCECONV
- RUSSELL;C.M.B. JONES;T.V. LEE;G.H.
"HEAT TRANSFER ENHANCEMENT USING VORTEX GENERATORS"
HEAT TRANSFER 1982, VOL.3, HEMISPHERE PUBLISHING COMPANY,
WASHINGTON, D.C., 1982, PP.283-288
022337 1982 VIIHTC ROUGHSURF
1FORCECONV
- SABERSKY;R.H.
"RAPPORT ON FORCED CONVECTION 6 (PROMOTERS, ROUGH SURFACES,
WITH INJECTION)"
HEAT TRANSFER 1974, SCRIPTA BOOK COMPANY, VOL.6, 1974,
PP.180-184
000123 1974 VIHTC LITSURVEY
ROUGHSURF EXTENDED SURF DISPENHDEVICE INJECTORSUCT
1FORCECONV
- SABIN;C.M. POPPENDIEK;H.F. CONNELLY;D.J.
"NUCLEATING VAPORIZATION AND EXTENDED SURFACE HEAT TRANSFER
AT LOW TEMPERATURE DIFFERENCE"
GEOSCIENCE LTD., REPORT GLR-165, SOLANA BEACH, CALIFORNIA,
1976
022268 1976 ** ROUGHSURF
1FORCECONV FLOBOIL EXTENDED SURF
NHC
- SABIN;C.M. POPPENDIEK;H.F.
"HEAT TRANSFER ENHANCEMENT FOR EVAPORATORS"
PROCEEDINGS FOURTH ANNUAL CONFERENCE ON OCEAN THERMAL ENERGY
CONVERSION, NEW ORLEANS, LOUISIANA, MARCH 1977, PP. VI-93 -
VI-104
013089 1977 ** TREATSURF
POOLBOIL SWIRLFLO 1FORCECONV ROUGHSURF
DISPENHDEVICE
- SAMS;E.W.
"EXPERIMENTAL INVESTIGATION OF AVERAGE HEAT-TRANSFER AND
FRICTION COEFFICIENTS FOR AIR FLOWING IN CIRCULAR TUBES
HAVING THREAD-TYPE ROUGHNESS"
NACA RME52D17, JUNE 1952
022006 1952 ** ROUGHSURF
1FORCECONV
NHC
- SAMS;E.W.
"HEAT TRANSFER AND PRESSURE DROP CHARACTERISTICS OF WIRE-
COIL TYPE TURBULENCE PROMOTERS"
TID-7529, PT.1, BOOK 2, NOVEMBER 1957, PP.390-415
022009 1957 ** ROUGHSURF
1FORCECONV
- SAVAGE;D.W. MYERS;J.E.
"THE EFFECT OF ARTIFICIAL SURFACE ROUGHNESS ON HEAT AND
MOMENTUM TRANSFER"
AMERICAN INSTITUTE OF CHEMICAL ENGINEERS JOURNAL, VOL.9,
1963, PP.694-702
022024 1963 AICHEJ ROUGHSURF
1FORCECONV
- SAVELEV;P.A. VOSKRESENSKII;Y.S.
"INVESTIGATION OF PRESSURE DROPS IN TUBES WITH WAVY
PROFILES FOR LARGE REYNOLDS NUMBERS"
IZV. VYSSH. UCHEBN. ZAVED., ENERGET., VOL.5, 1981, PP.73-77
022347 1980 ** ROUGHSURF
1FORCECONV
- SEBAN;R.A. EMERY;A. LEVY;A.
"HEAT TRANSFER TO SEPARATED AND RE-ATTACHED SUBSONIC

TURBULENT FLOWS OBTAINED DOWNSTREAM AT A STEP"
JOURNAL OF THE AERO/SPACE SCIENCES, VOL.26, 1956, PP.809-814
022008 1956 ** ROUGHSURF
1FORCECONV

SEBAN;R.A.
"HEAT TRANSFER TO THE TURBULENT SEPARATED FLOW OF AIR
DOWNSTREAM OF A STEP IN THE SURFACE OF A PLATE"
JOURNAL OF HEAT TRANSFER, VOL.86, 1964, PP.259-264
022036 1964 JHT ROUGHSURF
1FORCECONV

SEIGEL;L.G.
"THE EFFECT OF TURBULENCE PROMOTERS ON HEAT TRANSFER
COEFFICIENTS FOR WATER FLOWING IN HORIZONTAL TUBES"
TRANSACTIONS OF AMERICAN SOCIETY OF HEATING AND VENTILATING
ENGINEERS, VOL.52, 1946, PP.197-204. HEATING, PIPING AND
AIR CONDITIONING - ASHRAE JOURNAL SECTION, JUNE 1946, PP.
111-114
022122 1946 ** ROUGHSURF
DISPENHDEVICE SWIRLFLO 1FORCECONV

SHAH;R.K.
"PERFORATED HEAT EXCHANGER SURFACES. PART 2 - HEAT TRANSFER
AND FLOW FRICTION CHARACTERISTICS"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.
75-WA/HT-9, 1975
022134 1975 ASME ROUGHSURF
1FORCECONV EXTENDED SURF

SHERIFF;N. GUMLEY;P.
"HEAT TRANSFER AND FRICTION PROPERTIES OF SURFACES WITH
DISCRETE ROUGHNESSES"
INTERNATIONAL JOURNAL OF MASS AND HEAT TRANSFER, VOL.9,
1966, PP.1297-1320
022049 1966 IJHMT ROUGHSURF
1FORCECONV

SHERIFF;N.P. GUMLEY;P. FRANCE;J.
"HEAT TRANSFER CHARACTERISTICS OF ROUGHENED SURFACES"
CHEMICAL AND PROCESS ENGINEERING, NOVEMBER 1964, PP.624-629
022027 1964 CPE ROUGHSURF
1FORCECONV

SHIMONIS;V.M. VILEMAS;Y.V.
"EFFECT OF THE VARIABILITY OF PHYSICAL PROPERTIES OF A GAS
ON HEAT TRANSFER IN ROUGH ANNULAR CHANNELS"
PROBLEMS OF TURBULENT TRANSFER, IZD. ITMO AN BSSR, MINSK,
1979, PP.143-150
022340 1979 ** ROUGHSURF
1FORCECONV
NHC

SIMONDS;R.R.
"AN INVESTIGATION OF HEAT TRANSFER IN SMOOTH AND ROUGH
TUBES"
S.M. THESIS IN MECHANICAL ENGINEERING, MASSACHUSETTS
INSTITUTE OF TECHNOLOGY, 1968
022059 1968 MIT ROUGHSURF
1FORCECONV

SLIANCIAUSKAS;A.A. DRIZIUS;M.-R.M.
"CALCULATION OF HEAT TRANSFER ON ROUGH SURFACES"
HEAT TRANSFER-SOVIET RESEARCH, VOL.9, NO.4, PP.40-47
022238 1977 HTSR ROUGHSURF
1FORCECONV

SMITH;J.W. EPSTEIN;N.
"EFFECT OF WALL ROUGHNESS ON CONVECTIVE HEAT TRANSFER IN
COMMERCIAL PIPES"
AMERICAN INSTITUTE OF CHEMICAL ENGINEERS JOURNAL, VOL.3,
1957, PP. 241-248
022010 1957 AIChEJ ROUGHSURF
1FORCECONV

SMITH;J.W. GOWEN;R.A.
"HEAT TRANSFER EFFICIENCY IN ROUGH PIPES AT HIGH PRANDTL
NUMBER"
AMERICAN INSTITUTE OF CHEMICAL ENGINEERS JOURNAL, VOL.11,
1965, PP.941-943
022039 1965 AIChEJ ROUGHSURF

1FORCECONV

SMITH;J.W. GOWAN;R.A. CHARLES;M.E.
"TURBULENT HEAT TRANSFER AND TEMPERATURE PROFILES IN A
RIFLED PIPE"
CHEMICAL ENGINEERING SCIENCE, VOL.23, 1968, PP.751-758
022151 1968 CES ROUGHSURF
1FORCECONV

SNELL;R.J.V.
"THE SOLUTION TO THE DIMENSIONS OF CORRUGATION-TYPE HEAT
EXCHANGERS"
INTERNATIONAL DEVELOPMENTS IN HEAT TRANSFER, PART 1, 1961,
AMERICAN SOCIETY OF MECHANICAL ENGINEERS, NEW YORK,
PP.110-121
022110 1961 IJHTEC ROUGHSURF
1FORCECONV

SNELL;R.J.V.
"THE SOLUTION TO THE DIMENSIONS OF CORRUGATION-TYPE HEAT
EXCHANGERS"
PROCEEDINGS OF THE 1961-62 HEAT TRANSFER CONFERENCE,
INTERNATIONAL DEVELOPMENTS IN HEAT TRANSFER, ASME, NEW
YORK, 1961, PP. 110-121
022279 1961 ** ROUGHSURF
1FORCECONV

SOOD;N.S. JONSSON;V.K.
"SOME CORRELATIONS FOR RESISTANCES TO HEAT AND MOMENTUM
TRANSFER IN THE VISCOUS SUBLAYER AT ROUGH WALLS"
JOURNAL OF HEAT TRANSFER, VOL.91, 1969, PP.488-494
022107 1969 JHT ROUGHSURF
1FORCECONV

SPARROW;E.M. KALEIJS;J.P.
"LOCAL CONVECTIVE TRANSFER COEFFICIENTS IN A CHANNEL
DOWNSTREAM OF A PARTIALLY CONSTRICTED INLET"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.20,
1977, PP.1241-1249
022063 1977 IJHMT ROUGHSURF
1FORCECONV MASSTRAN

SPARROW;E.M. CHARMCHI;M.
"HEAT TRANSFER AND FLUID FLOW CHARACTERISTICS OF SPANWISE-
PERIODIC CORRUGATED DUCTS"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.23,
1980, PP. 471-481
022200 1980 IJHMT ROUGHSURF
1FORCECONV

SPARROW;E.M. NIETHAMMER;J.E. CHABOKI;A.
"HEAT TRANSFER AND PRESSURE DROP CHARACTERISTICS OF
ARRAYS OF RECTANGULAR MODULES ENCOUNTERED IN ELECTRONIC
EQUIPMENT"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.25,
1982, PP.961-973
022382 1982 IJHMT ROUGHSURF
1FORCECONV

SUTHERLAND;W.A. MILLER;C.W.
"HEAT TRANSFER TO SUPERHEATED STEAM, 2. IMPROVED PERFORMANCE
WITH TURBULENCE PROMOTERS"
GENERAL ELECTRIC ATOMIC POWER EQUIPMENT DEPARTMENT REPORT
GEAP-4749, 1964
022032 1964 ** ROUGHSURF
1FORCECONV

SUTHERLAND;W.A.
"IMPROVED HEAT TRANSFER PERFORMANCE WITH BOUNDARY LAYER
TURBULENCE PROMOTERS"
GENERAL ELECTRIC ATOMIC POWER EQUIPMENT DEPARTMENT REPORT
GEAP-5115, 1966
022045 1966 ** ROUGHSURF
1FORCECONV

SUTHERLAND;W.A.
"IMPROVED HEAT TRANSFER PERFORMANCE WITH BOUNDARY-LAYER
TURBULENCE PROMOTERS"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER VOL. 10,
1967, PP.1589-1600. COMMENTS IN VOL.11, 1968, PP.1573-1575
022057 1967 1968 IJHMT

ROUGH SURF 1 FORCE CONV

TABAKOFF;W. MC FARLAND;E.R.
"GAS TURBINE BLADE HEAT TRANSFER WITH ROUGH SURFACES"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.
75-WA/HT-107, 1975
022133 1975 ASME ROUGH SURF
1 FORCE CONV

TAN;Y.K.
"THE SELECTIVE TESTS OF SPIRALLY FLUTED TUBES"
TRANSACTIONS OF SOUTH CHINA INSTITUTE OF TECHNOLOGY,
VOL.7, NO.2, 1979, PP.1-10
022356 1979 ** ROUGH SURF
1 FORCE CONV

TANG;I.M. FAZZOLARE;R.A.
"HEAT TRANSFER FROM THE ROUGHENED SURFACE OF A GCFR FUEL
ROD"
TRANSACTIONS OF THE AMERICAN NUCLEAR SOCIETY, VOL.19, 1974,
PP.20-21
022222 1974 ** ROUGH SURF
1 FORCE CONV

TEVEROVSKI;B.M.
"THE INFLUENCE OF SURFACE ROUGHNESS ON THE RESISTANCE TO
FLOW OF LIQUIDS AND ON CONVECTIVE HEAT EXCHANGE"
TRG ING. SER. 291 (W), 1963
022025 1963 ** ROUGH SURF
1 FORCE CONV
NHC

THOMAS;D.G. HAYES;P.H.
"HIGH PERFORMANCE HEAT TRANSFER SURFACES"
INDUSTRIAL AND ENGINEERING CHEMISTRY, VOL.62, NO.2, 1970,
PP.4-9
035017 1970 IEC EXTENDED SURF
SWIRL FLO ROUGH SURF CONDENSATION 1 FORCE CONV

THOMAS;L.
"A CONSIDERATION OF A TURBULENT HEAT TRANSFER MODEL FOR FLOW
IN SMOOTH AND ROUGH TUBES"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.14,
1971, PP.989-992
022087 1971 IJHMT ROUGH SURF
1 FORCE CONV

TORII;T. HIRASAWA;S. KUWAHARA;H.
YANAGIDA;T. FUJIE;K.
"THE USE OF HEAT EXCHANGERS WITH THERMOEXCEL'S TUBING IN
OCEAN THERMAL ENERGY POWER PLANTS"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.78-WA/HT-
65, 1978
023004 1978 ASME ROUGH SURF
POOL BOIL CONDENSATION 1 FORCE CONV

UEDA;T. HARADA;I.
"EXPERIMENT OF HEAT TRANSFER ON THE SURFACES WITH
TRANSVERSE FINS FOR FLOW DIRECTION"
BULLETIN OF THE JAPAN SOCIETY OF MECHANICAL ENGINEERS,
VOL.7, 1964, PP.759-768
022035 1964 BJSME ROUGH SURF
1 FORCE CONV

VALENZUELA;J.A. GLICKSMAN;L.R.
"MODELING OF A ROTARY DRY COOLING TOWER"
JOURNAL OF HEAT TRANSFER, VOL. 103, 1981, PP. 715-719
092042 1981 JHT MECH AID
1 FORCE CONV ROUGH SURF

VAN HAGAN;T.H. CARNAVOS;T.C.
"SURFACE GEOMETRY CONSIDERATIONS FOR GAS TURBINE HTGR POWER
PLANT HEAT EXCHANGERS"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.78-WA/HT-
20, 1978
032229 1978 ASME EXTENDED SURF
1 FORCE CONV ROUGH SURF

VESKI;A. KRUUS;R.
"LOCAL HEAT TRANSFER OF THE PLATE WITH REPEATED-RIB
ROUGHNESS"

ABSTRACT FROM THE FIFTH ALL-UNION HEAT AND MASS TRANSFER
CONFERENCE, MINSK, USSR, 1976, P.12
022312 1976 ** ROUGH SURF
1 FORCE CONV

VESKI;A.Y. KRUUS;R.A.
"LOCAL HEAT TRANSFER FROM PLATES WITH REGULAR MACRO-ROUGHNESS
(RIBBED PLATES)"
HEAT TRANSFER - SOVIET RESEARCH, VOL.9, NO.4, 1977, PP.83-87
022240 1977 HTSR ROUGH SURF
1 FORCE CONV

VILEMAS;J.V. SIMONIS;V.M. VRUBLIAUSKAS;S.P.
"HEAT TRANSFER IN GAS-COOLED ROD BUNDLES IN AXIAL FLOW
AND IN ANNULI AT HIGH HEAT LOADS"
HEAT TRANSFER - SOVIET RESEARCH, VOL.13, NO.4, 1981,
PP.19-24
022359 1981 HTSR ROUGH SURF
1 FORCE CONV

VINOGRADOV;D.S. PUCHKOV;P.I.
"HEAT TRANSFER AND RESISTANCE OF BUNDLES OF TUBES WITH
MULTIPLE SPIRAL FINS"
THERMAL ENGINEERING, VOL.17, NO.8, 1970, PP.93-95
022118 1970 TENG ROUGH SURF
1 FORCE CONV

VINOGRADOV;O.S. PUCHKOV;P.I.
"USE OF SURFACE ROUGHNESS TO IMPROVE HEAT TRANSFER FROM ROD
TYPE FUEL ELEMENT"
SOVIET ATOMIC ENERGY, VOL.33, NO.3, 1972, PP.853-857
022113 1972 ** ROUGH SURF
1 FORCE CONV

VINOGRADOV;O.S. PUCHKOV;P.I. IVANOVA;A.V.
VOVK;V.I. GRIVNIN;A.I. TELEGINA;E.P.
"THERMAL AND HYDRAULIC CHARACTERISTICS OF BUNDLES OF TUBES
WITH TRANSVERSE FINS IN A LONGITUDINAL FLOW"
THERMAL ENGINEERING, VOL.30, NO.6, 1973, PP.98-101
022132 1973 TENG ROUGH SURF
1 FORCE CONV

WALKER;V. WHITE;L.
"THE EFFECT OF PHYSICAL PROPERTY VARIATIONS ON HEAT
TRANSFER FROM ROUGHENED SURFACES"
HEAT TRANSFER 1970, VOL.11, PAPER FC5.4, ELSEVIER PUBLISH-
ING COMPANY, AMSTERDAM, 1970
022070 1970 IJHMT ROUGH SURF
1 FORCE CONV

WALKER;V. WILKIE;D.
"THE WIDER APPLICATION OF ROUGHENED HEAT TRANSFER SURFACES
AS DEVELOPED FOR ADVANCED GAS-COOLED REACTORS"
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS,
VOL.181, PART 31, 1966-67, PP.190-197
000046 1966 PIME LIT SURVEY
ROUGH SURF EXTENDED SURF 1 FORCE CONV

WALKER;V. WILKIE;D.
"IMPROVED HEAT PERFORMANCE WITH BOUNDARY LAYER TURBULENCE
PROMOTERS"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.11,
1968, PP.1573-1575
022223 1968 IJHMT ROUGH SURF
1 FORCE CONV

WALKER;V. WHITE;L. BURNETT;P.
"FORCED CONVECTION HEAT TRANSFER FOR PARALLEL FLOW THROUGH A
ROUGHENED ROD CLUSTER"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.15,
1972, PP.403-472
022224 1972 IJHMT ROUGH SURF
1 FORCE CONV

WARBURTON;C. PIRIE;M.A.M.
"AN IMPROVED METHOD FOR ANALYZING HEAT TRANSFER AND PRESSURE
DROP TESTS ON ROUGHENED RODS IN SMOOTH CHANNELS"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.74-WA/HT-
56, 1974
022148 1974 ASME ROUGH SURF
1 FORCE CONV

WARBURTON;D.

"THE RESULTS OF HEAT TRANSFER AND PRESSURE DROP TESTS IN THE B.N.L. AIR RIGS ON SURFACES ROUGHENED BY TRANSVERSE RIBS" CENTRAL ELECTRICITY GENERATING BOARD REPORT RD/B/M1956, BERKELEY, ENGLAND, OCTOBER 1972

022225 1972 ** ROUGHSURF
1FORCECONV
NHC

WASSEL;A.T. MILLS;A.F.

"CALCULATION OF VARIABLE PROPERTY TURBULENT FRICTION AND HEAT TRANSFER IN ROUGH PIPES"

JOURNAL OF HEAT TRANSFER, VOL.101, 1979, PP.469-474
022325 1979 JHT ROUGHSURF
1FORCECONV

WATSON;M.A.P.

"THE PERFORMANCE OF A SQUARE RIB TYPE OF HEAT TRANSFER SURFACE" CENTRAL ELECTRICITY GENERATING BOARD REPORT RD/B/N1738, BERKELEY, ENGLAND, DECEMBER 1970

022226 1970 ** ROUGHSURF
1FORCECONV
NHC

WATTS;J.

"EFFECT OF RIB SHAPE AND SPACING ON CONDUCTIVITY CORRECTIONS TO RIBBED SURFACE HEAT TRANSFER DATA"

CENTRAL ELECTRICITY GENERATING BOARD REPORT CD/B/N/2106, BERKELEY, ENGLAND, 1971

022227 1971 ** ROUGHSURF
1FORCECONV
NHC

WEBB;R.L.

"TURBULENT HEAT TRANSFER IN TUBES HAVING TWO-DIMENSIONAL ROUGHNESS, INCLUDING THE EFFECT OF PRANDTL NUMBER" PH.D. THESIS IN MECHANICAL ENGINEERING, UNIVERSITY OF MINNESOTA, 1969

022011 1969 ** ROUGHSURF
1FORCECONV

WEBB;R.L.

ECKERT;E.R.G.

GOLDSTEIN;R.J.

"HEAT TRANSFER AND FRICTION IN TUBES WITH REPEATED-RIB ROUGHNESS" INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.14, 1971, PP.601-618

022093 1971 IJHMT ROUGHSURF
1FORCECONV

WEBB;R.L.

ECKERT;E.R.G.

GOLDSTEIN;R.J.

"GENERALIZED HEAT TRANSFER AND FRICTION CORRELATIONS FOR TUBES WITH REPEATED-RIB ROUGHNESS" INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.15, 1972, PP.180-184

022185 1972 IJHMT ROUGHSURF
1FORCECONV

WEBB;R.L.

"TOWARD A COMMON UNDERSTANDING OF THE PERFORMANCE AND SELECTION OF ROUGHNESS FOR FORCED CONVECTION" STUDIES IN HEAT TRANSFER, HEMISPHERE PUBLISHING CORPORATION, WASHINGTON, D.C., 1979, PP.257-272

022247 1978 ASME ROUGHSURF
1FORCECONV

WEBB;R.L.

"PERFORMANCE, COST EFFECTIVENESS, AND WATER-SIDE FOULING CONSIDERATIONS OF ENHANCED TUBE HEAT EXCHANGERS FOR BOILING SERVICE WITH TUBE-SIDE WATER FLOW"

HEAT TRANSFER ENGINEERING, VOL.3, NOS.3-4, 1982, PP.84-98
150070 1982 HTE PERFORMANCE
TREATEDSURF POOLBOIL. ROUGHSURF 1FORCECONV

WEBRING;R.L. GORTON;R.L.

"HEAT TRANSFER AND PRESSURE DROP CHARACTERISTICS OF SCREEN ROUGHENED SURFACES (ANNULAR FLOW)" AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO. 73-HT-26, 1973

022106 1973 ASME ROUGHSURF

1FORCECONV

WEI;J.P.

"THERMAL-HYDRAULIC EVALUATION OF ADVANCED WIRE-WRAP ASSEMBLIES" AMERICAN INSTITUTE OF CHEMICAL ENGINEERS SYMPOSIUM SERIES NO.164, VOL.73, 1977, PP.105-113

022111 1977 AIChE ROUGHSURF
1FORCECONV

WHITE;A.

"HEAT TRANSFER CHARACTERISTICS OF DILUTE POLYMER SOLUTIONS IN FULLY ROUGH PIPE FLOW"

NATURE, VOL.227, 1970, PP.486-487
022180 1970 ** ROUGHSURF
1FORCECONV

WHITE;L.

WILKIE;D.

"THE HEAT TRANSFER AND PRESSURE LOSS CHARACTERISTICS OF SOME MULTI-START RIBBED SURFACES"

AUGMENTATION OF CONVECTIVE HEAT AND MASS TRANSFER, AMERICAN SOCIETY OF MECHANICAL ENGINEERS, NEW YORK, 1970, PP.55-62

022084 1970 ACHMT ROUGHSURF
1FORCECONV

WHITE;W.J.

WHITE;L.

"THE EFFECT OF RIB PROFILE ON HEAT TRANSFER AND PRESSURE LOSS PROPERTIES OF TRANSVERSELY RIBBED ROUGHENED SURFACES" AUGMENTATION OF CONVECTIVE HEAT AND MASS TRANSFER, AMERICAN SOCIETY OF MECHANICAL ENGINEERS, NEW YORK, 1970, PP.44-54

022083 1970 ACHMT ROUGHSURF
1FORCECONV

WHITE;W.J.

"FORCED-CONVECTION HEAT TRANSFER FROM A CIRCULAR PIPE INTERNALLY ROUGHENED BY ISOLATED RIBS - PART 1 - UNIFORM HEAT FLUX BOUNDARY CONDITION"

TRG REPORT - 826, UKAEA, RISLEY, 1964
022228 1964 ** ROUGHSURF
1FORCECONV
NHC

WILKES;N.S.

"THE PREDICTION OF HEAT TRANSFER FROM SURFACES ROUGHENED BY TRANSVERSE RIBS" UKAEA REPORT NO. AERE-R 10293, HARWELL, UNITED KINGDOM, 1981

022355 1981 ** ROUGHSURF
1FORCECONV
NHC

WILKIE;D.

"CALCULATION OF HEAT TRANSFER AND FLOW RESISTANCE OF ROUGH AND SMOOTH SURFACES CONTAINED IN A SINGLE PASSAGE" PROCEEDINGS OF THE THIRD INTERNATIONAL HEAT TRANSFER CONFERENCE, AMERICAN INSTITUTE OF CHEMICAL ENGINEERS, NEW YORK, VOL.1, 1966, pp.20-31

022048 1966 IIIIHTC ROUGHSURF
1FORCECONV

WILKIE;D.

COWIN;M.

BURNETT;P.

BURGOYNE;T
"FRICTION FACTOR MEASUREMENTS IN A RECTANGULAR CHANNEL WITH WALLS OF IDENTICAL AND NON-IDENTICAL ROUGHNESS" INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.10, 1967, PP.611-621

022168 1967 IJHMT ROUGHSURF
1FORCECONV

WILKIE;D.

"FORCED CONVECTION HEAT TRANSFER FROM SURFACES ROUGHENED BY TRANSVERSE RIBS"

PROCEEDINGS OF THE THIRD INTERNATIONAL HEAT TRANSFER CONFERENCE, AMERICAN INSTITUTE OF CHEMICAL ENGINEERS, NEW YORK, VOL.1, 1966, PP.1-9

022040 1966 IIIIHTC ROUGHSURF
1FORCECONV

WILKIE;D.

"HEAT TRANSFER FROM SURFACES ROUGHENED BY SQUARE RIBS AT PITCH TO HEIGHT RATIOS OF 5, 7.2, 9.4, AND 15"

TRG REPORT - 1127(W), 1966

022229 1966 ** ROUGHSURF
1FORCECONV
NHC

WILKIE;D.

"SOME STUDIES OF HEAT TRANSFER FROM ROUGHENED SURFACES TO A GASEOUS COOLANT - II, SURFACE FORMED BY PRESSURIZING A CAN ONTO CONICAL PELLETS"

JOURNAL OF NUCLEAR ENERGY, VOL.20, 1966, PP.545-548

022230 1966 ** ROUGHSURF
1FORCECONV

WILKIE;D.

"SOME STUDIES OF HEAT TRANSFER FROM ROUGHENED SURFACES TO A GASEOUS COOLANT - I. HEAT TRANSFER FROM SURFACES ROUGHENED BY RIBS AND GROOVES SIMULTANEOUSLY"

JOURNAL OF NUCLEAR ENERGY, PART A/3, VOL.20, 1966, PP.537-543

022231 1966 ** ROUGHSURF
1FORCECONV

WILKIE;D.

"HEAT TRANSFER FROM SURFACES ROUGHENED BY SQUARE RIBS AT A PITCH-TO-HEIGHT RATIO OF 7:2"

TRG-987(W), 1965

022232 1965 ** ROUGHSURF
1FORCECONV
NHC

WILKIE;D.

"APPLICATION OF ROUGHENED SURFACE HEAT TRANSFER AND PRESSURE DROP DATA"

ARC 28423, HMT 118

022233 19 ** ROUGHSURF
1FORCECONV
NHC

WILKIE;D.

"CALCULATION OF HEAT TRANSFER AND FLOW RESISTANCE OF ROUGH AND SMOOTH SURFACES CONTAINED IN A SINGLE PASSAGE"

PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS, 1964, PP.20-31

022234 1964 PIME ROUGHSURF
1FORCECONV
NHC

WILKIE;D.

WHITE;L.

"FUEL ELEMENT HEAT TRANSFER NEAR DIMPLE BRACES"

NUCLEAR ENGINEERING, VOL. 11, 1966, PP. 596-599

022235 1966 ** ROUGHSURF
1FORCECONV

WILLIAMS;F.

WATTS;J.

"THE DEVELOPMENT OF ROUGH SURFACES WITH IMPROVED HEAT TRANSFER PERFORMANCE AND A STUDY OF THE MECHANISMS INVOLVED"

HEAT TRANSFER 1970, VOL.11, PAPER FC5.5, ELSEVIER PUBLISHING, COMPANY, AMSTERDAM, 1970

022080 1970 IVIHTC ROUGHSURF
1FORCECONV

WILLIAMS;F.

PIRIE;M.A.M.

WARBURTON;C.

"HEAT TRANSFER FROM SURFACES ROUGHENED BY RIBS"

AUGMENTATION OF CONVECTIVE HEAT AND MASS TRANSFER, AMERICAN SOCIETY OF MECHANICAL ENGINEERS, NEW YORK, 1970, PP.36-43

022081 1970 ACHMT ROUGHSURF
1FORCECONV

WITHERS;J.G.

"TUBE-SIDE HEAT TRANSFER AND PRESSURE DROP FOR TUBES HAVING HELICAL INTERNAL RIDGING WITH TURBULENT/TRANSITIONAL FLOW OF SINGLE-PHASE FLUID. PART 1. SINGLE-HELIX RIDGING"

HEAT TRANSFER ENGINEERING, VOL. 2, NO. 1, 1980, PP. 48-61

022298 1980 ** ROUGHSURF
1FORCECONV

WITHERS;J.G.

"TUBE-SIDE HEAT TRANSFER AND PRESSURE DROP FOR TUBES HAVING HELICAL INTERNAL RIDGING WITH TURBULENT/TRANSITIONAL FLOW OF SINGLE-PHASE FLUID. PART 2. MULTIPLE-HELIX RIDGING"

HEAT TRANSFER ENGINEERING, VOL. 2, NO. 2, 1980, PP. 43-50

022299 1980 HTE ROUGHSURF
1FORCECONV

WRIGHT;R.

"MANUFACTURE OF FINNED TUBING FOR ECONOMIC HEAT TRANSFER IN HIGH PRESSURE GAS SYSTEMS"

PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS,

VOL.181, PART.31, 1966-67, PP.227-234

022236 1966 PIME ROUGHSURF
1FORCECONV
NHC

YAMPOLSKY;J.S.

"SPIRALLY FLUTED TUBING FOR AUGMENTED HEAT TRANSFER"

GENERAL ATOMIC COMPANY, REPORT NO. GA-A15442, JUNE 1979

022377 1979 ** ROUGHSURF
1FORCECONV

YANG;W.-J.

"THREE KINDS OF HEAT TRANSFER AUGMENTATION IN PERFORATED SURFACES"

LETTERS IN HEAT AND MASS TRANSFER, VOL.5, PP. 1-10, 1978

022199 1978 LHMT ROUGHSURF
1FORCECONV

YANG;W.-J.

"FORCED CONVECTIVE HEAT TRANSFER IN INTERRUPTED COMPACT SURFACES"

ASME-JSME THERMAL ENGINEERING JOINT CONFERENCE PROCEEDINGS, HONOLULU, HAWAII, MARCH 1983, VOL.3, PP.105-111

022364 1983 ** ROUGHSURF
1FORCECONV

YANG;W.J.

CLARK;D.W.

"SPRAY COOLING OF AIR-COOLED COMPACT HEAT EXCHANGERS"

INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.18, 1975, PP.311-317

082077 1975 IJHMT ADDFORGASES
ROUGHSURF EXTENDED SURF 1FORCECONV

YOSHITOMI;H.

UBA;K.

ARIMA;Y.

"HEAT TRANSFER AND PRESSURE DROP IN TUBES WITH EMBOSSED SPIRAL"

KARYUKU GENSHIRYOKU HATSUDEN, VOL.27, 1976, PP. 171-182

022216 1976 ** ROUGHSURF
1FORCECONV

YOUNG;E.H.

WITHERS;J.G.

LAMPERT;W.B.

"HEAT TRANSFER CHARACTERISTICS OF CORRUGATED TUBES IN STEAM CONDENSING APPLICATIONS"

AMERICAN INSTITUTE OF CHEMICAL ENGINEERS PREPRINT 3 FOR FIFTEENTH NATIONAL HEAT TRANSFER CONFERENCE, SAN FRANCISCO, 1975

025008 1975 AICHE ROUGHSURF
CONDENSATION 1FORCECONV

ZAJIC;V.

"SOME RESULTS ON RESEARCH OF INTENSIFIED WATER COOLING BY ROUGHENED SURFACES AND SURFACE BOILING AT HIGH HEAT FLUX RATES"

ACTA TECHNICA CSAV NO.5, 1965, PP.602-612

022038 1965 ** ROUGHSURF
1FORCECONV FLOBOIL

ZAPPA;R.F.

GEIGER;G.E.

"EFFECT OF ARTIFICIAL SURFACE ROUGHNESS ON HEAT TRANSFER AND PRESSURE DROP FOR A HIGH PRANDTL NUMBER FLUID IN LAMINAR FLOW"

AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO. 71-HT-36, 1971

022088 1971 ASME ROUGHSURF
1FORCECONV

ZELENKA;R.L.

LOEHRKE;R.I.

"HEAT TRANSFER FROM INTERRUPTED PLATES"

JOURNAL OF HEAT TRANSFER, VOL.105, 1983, PP.172-177

022370 1983 JHT ROUGHSURF

1FORCECONV

ZEMANICH;P.P. DOUGALL;R.S.
 "LOCAL HEAT TRANSFER DOWNSTREAM OF ABRUPT CIRCULAR CHANNEL
 EXPANSION"

AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.

69-HT-35, 1969

022123 1969 ASME ROUGHSURF
 1FORCECONV

ZOZULYA;N.V. KALININ;B.L.

"EFFECT OF A TURBULENCE PROMOTOR ON THE LOCAL HEAT TRANSFER
 FOR A PLATE IN TRANSITION FLOW"

HEAT TRANSFER - SOVIET RESEARCH, VOL.3, NO.2, 1971, PP.76-80

022237 1971 HTSR ROUGHSURF

1FORCECONV

ZUKAUSKAS;A. ZIUGZDA;J. DAUJOTAS;P.

"EFFECTS OF TURBULENCE ON THE HEAT TRANSFER OF A ROUGH-
 SURFACE CYLINDER IN CROSS-FLOW IN THE CRITICAL RANGE OF RE"

HEAT TRANSFER 1978, VOL.4, HEMISPHERE PUBLISHING

CORPORATION, WASHINGTON, D.C., 1978, PP.231-236

022250 1978 VIIHTC ROUGHSURF

1FORCECONV

ZUKAUSKAS;A.

"PROBLEMS OF HEAT TRANSFER AUGMENTATION FOR TUBE BANKS
 IN CROSS FLOW"

HEAT EXCHANGERS: THEORY AND PRACTICE, HEMISPHERE

PUBLISHING CORPORATION, WASHINGTON, AND MC GRAW-HILL

BOOK COMPANY, NEW YORK, 1983, PP.265-286

032356 1983 **

EXTENDED SURF

1FORCECONV ROUGHSURF

ZUKAUSKAS;A. ULINSKAS;R.

"SURFACE ROUGHNESS AS MEANS OF HEAT TRANSFER AUGMENTATION
 FOR BANKS OF TUBES IN CROSSFLOW"

HEAT EXCHANGERS: THEORY AND PRACTICE, HEMISPHERE

PUBLISHING CORPORATION, WASHINGTON AND MC GRAW-HILL

BOOK COMPANY, NEW YORK, 1983, PP.311-324

022389 1983 **

ROUGHSURF

1FORCECONV

ZUKAUSKAS;A.

"AIR-COOLED HEAT EXCHANGERS"

HEAT EXCHANGERS, THERMAL-HYDRAULIC FUNDAMENTALS AND

DESIGN, HEMISPHERE PUBLISHING CORPORATION, WASHINGTON,

AND MC GRAW-HILL BOOK COMPANY, NEW YORK, 1981, PP.49-83

032360 1981 **

EXTENDED SURF

1FORCECONV ROUGHSURF

ZUKAUSKAS;A.A. SIMANAVICIUS;V.S. DAUJOTAS;P.M.

ZIUGZDA;J.J.

"HEAT TRANSFER FROM A ROUGH CYLINDER IN CROSS FLOW OF WATER
 AT CRITICAL RE"

HEAT TRANSFER - SOVIET RESEARCH, VOL.10, NO.6, 1978, PP.

79-89

022267 1978 **

ROUGHSURF

1FORCECONV

ROUGH SURFACES — POOL BOILING

ARAI;N. FUKUSHIMA;T. ARAI;A.
 NAKAJIMA;T. FUJIE;K. NAKAYAMA;Y.
 "HEAT TRANSFER TUBES ENHANCING BOILING AND CONDENSATION IN
 HEAT EXCHANGER OF A REFRIGERATING MACHINE"
 ASHRAE TRANSACTIONS, VOL.83, PT.2, 1977, PP.58-70
 023008 1977 ASHRAE ROUGHSURF
 POOLBOIL CONDENSATION 1FORCECONV

ASAKAVICIUS;J.P. ZUKAUSKAS;A.A. GAIGALIS;V.A.
 EVA;V.K.
 "HEAT TRANSFER FROM FREON-113, ETHYL ALCOHOL AND WATER WITH
 SCREEN WICKS"
 HEAT TRANSFER - SOVIET RESEARCH, VOL.11, NO.1, 1979, PP.
 92-100
 023006 1979 HTSR ROUGHSURF
 POOLBOIL

BENTON;D.J. KESHOCK;E.G.
 "LIQUID-SOLID CONTACT AND ITS RELATIONSHIP TO IMPROVED FILM
 BOILING HEAT TRANSFER RATES"
 HEAT TRANSFER 1982, VOL.4, HEMISPHERE PUBLISHING CORPORATION,
 WASHINGTON, D.C., 1982, PP.125-130
 023027 1982 VIIHTC ROUGHSURF
 POOLBOIL

BERGLES;A.E. THOMPSON JR.;W.G.
 "THE RELATIONSHIP OF QUENCH DATA TO STEADY-STATE POOL
 BOILING DATA"
 INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.13,
 1970, PP.55-68
 013031 1970 IJHMT TREATSURF
 ROUGHSURF POOLBOIL

BIER;K. GORENFLO;D. SALEM;M.
 TANES;Y.
 "EFFECT OF PRESSURE AND SURFACE ROUGHNESS ON POOL BOILING OF
 REFRIGERANTS"
 INTERNATIONAL JOURNAL OF REFRIGERATION, VOL.2, NO.4, 1979,
 P.211-219
 023013 1979 ** ROUGHSURF
 POOLBOIL

BROMLEY;L.A. HUMPHREYS;R.F. MURRAY;W.
 "CONDENSATION ON AND EVAPORATION FROM RADially GROOVED
 ROTATING DISKS"
 JOURNAL OF HEAT TRANSFER, VOL.88, 1966, PP.80-93
 145002 1966 JHT COMPOUNDTECH
 MECHAID ROUGHSURF CONDENSATION POOLBOIL

CARR;J.J.
 "THE EFFECT OF A KNURLED HEAT TRANSFER SURFACE UPON POOL
 NUCLEATE BOILING OF NORMAL PENTANE"
 PH.D. THESIS IN CHEMICAL ENGINEERING, UNIVERSITY OF
 MISSOURI-ROLLA, OCTOBER 1971
 023001 1971 ** ROUGHSURF
 POOLBOIL

CORNWELL;K. NAIR;B.G.
 "BOILING IN WIRE MESHES AND POROUS MEDIA"
 PROCEEDINGS FIFTH NATIONAL HEAT AND MASS TRANSFER
 CONFERENCE, HYDERABAD, INDIA, FEBRUARY 1980
 023010 1980 ** ROUGHSURF
 POOLBOIL NHC

CZIKK;A.M. O'NEILL;P.S.
 "APPLICATION OF ENHANCED HEAT TRANSFER SURFACE TO VTE
 PROCESS PLANT"
 PRESENTED AT OFFICE OF SALINE WATER SYMPOSIUM ON ENHANCED
 TUBES FOR DESALINATION PLANTS, MARCH 1969
 013042 1969 OSW TREATSURF
 POOLBOIL CONDENSATION ROUGHSURF

DANILOVA;G.N. GUYGO;E.I. BORISHANSKAYA;A.V.
 BUKIN;V.G. DYUNDIN;V.A. KOZYREV;A.A.
 MALKOV;L.S. MALYUGIN;G.I.
 "ENHANCEMENT OF HEAT TRANSFER DURING BOILING OF LIQUID
 REFRIGERANTS AT LOW HEAT FLUXES"
 HEAT TRANSFER - SOVIET RESEARCH, VOL.8, NO.4, 1976, PP.1-8
 013060 1976 HTSR TREATSURF
 ROUGHSURF POOLBOIL FLOBOIL

DAVIS;C.M. HALLER;K.H. WIENER;M.
 "LARGE UTILITY BOILERS - EXPERIENCE AND DESIGN METHODS"
 AMERICAN POWER CONFERENCE, CHICAGO, PGTP 76-22, APRIL 1976
 023016 1976 ** ROUGHSURF
 POOLBOIL

EDWARDS;J.A. HOFFMAN;H.W.
 "SUPERHEAT WITH BOILING ALKALI METALS"
 PROCEEDINGS OF THE CONFERENCE ON APPLICATION OF HIGH
 TEMPERATURE INSTRUMENTATION TO LIQUID-METAL EXPERIMENTS,
 ARGONNE NATIONAL LABORATORY REPORT ANL-7100, 1965,
 PP.515-534
 013009 1965 ANL TREATSURF
 ROUGHSURF POOLBOIL FLOBOIL

HOLM;F.W. GOPLEN;S.P.
 "HEAT TRANSFER IN THE MENISCUS THIN-FILM TRANSITION
 REGION"
 JOURNAL OF HEAT TRANSFER, VOL.101, 1979, pp.543-547
 023026 1979 JHT ROUGHSURF
 POOLBOIL

JAKOB;M. FRITZ;W.F.
 "VERSUCHE UEBER DEN VERDAMPFUNGSVORGANG"
 FORSCHUNG AUF DEM GEBIETE DES INGENIEURWESENS, VOL.2, 1931,
 PP.435-437
 023012 1931 ** ROUGHSURF
 POOLBOIL

JAKOB;M.
 "HEAT TRANSFER IN EVAPORATION AND CONDENSATION - I"
 MECHANICAL ENGINEERING, OCTOBER, 1936, PP.643-660
 023003 1936 ME ROUGHSURF
 POOLBOIL

KNOEBEL;D.H. YEH;Y.C.
 "THE EFFECT OF ARTIFICIAL SURFACE PROJECTIONS ON FILM
 BOILING HEAT TRANSFER"
 AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.
 77-HT-81, 1977
 023009 1977 ASME ROUGHSURF
 POOLBOIL

KOPP;I.Z.
 "THE EFFECT OF SURFACE ROUGHNESS ON BOILING HEAT TRANSFER"
 HEAT TRANSFER - SOVIET RESEARCH, VOL.8, NO.4, 1976, PP.37-42
 023017 1976 HTSR ROUGHSURF
 POOLBOIL

KOZIOL;K. BRONIAZ;L. NOWICKA;T.
 "INFLUENCE OF SURFACE ROUGHNESS ON LIQUID/GAS MATERIAL
 EXCHANGE"
 CHEMIE-INGENIEUR-TECHNIK, VOL.51, NO.9, 1979, P.097
 026014 1979 ** ROUGHSURF
 MASSTRAN CONDENSATION POOLBOIL

KRAVCHENKO;V.A. OSTROVSKIY;Y.N.
 "EFFECT OF SURFACE ROUGHNESS ON BOILING HEAT TRANSFER TO
 LIGHT HYDROCARBONS AND NITROGEN"
 HEAT TRANSFER-SOVIET RESEARCH, VOL.11, NO.1, 1979, PP.133-137
 023005 1979 HTSR ROUGHSURF
 POOLBOIL

KULOR;N.R. RADHAKRISHNAN;V.N.
 "EFFECT OF SURFACE ROUGHNESS ON NUCLEATE BOILING"
 CHEMICAL AND PROCESS ENGINEERING, VOL.47, NO.6, 1966, PP.
 276-280
 013017 1966 CPE TREATSURF
 ROUGHSURF POOLBOIL

MACK JR.;W.M. ROHSENOW;W.M.
 "EVALUATION OF THE HEAT TRANSFER PERFORMANCE OF THREE
 ENHANCED SURFACES INCLUDING AN ENHANCED SURFACE HEAT
 EXCHANGER PERFORMANCE COMPARISON METHOD"
 ENGINEERING PROJECTS LABORATORY REPORT DSR 73490-86,
 MASSACHUSETTS INSTITUTE OF TECHNOLOGY, JUNE, 1974
 022149 1974 MIT ROUGHSURF
 1FORCECONV POOLBOIL PERFORMANCE

MARTO;P.J. LEPERE;V.J.

"POOL BOILING HEAT TRANSFER FROM ENHANCED SURFACES TO DIELECTRIC FLUIDS"
JOURNAL OF HEAT TRANSFER, VOL.104, 1982, PP.292-299
023014 1982 JHT ROUGHSURF
POOLBOIL

NAKAJIMA;K. MOLIMOTO;S.
"EXPERIMENTS ON THE BOILING HEAT TRANSFER OF MIXTURES OF TWO COMPONENTS - THE EFFECT OF COMPOSITION OF MIXTURES AND SURFACE ROUGHNESS ON BOILING CURVES"
MITSUI TECHNICAL REVIEW, VOL.55, 1966, PP.27-41
023025 1966 ** ROUGHSURF
POOLBOIL ADDFORLIQUIDS

NAKAYAMA;W. DAIKOKU;T. KUWAHARA;H.
KAKIZAKI;K.
"HIGH-FLUX HEAT TRANSFER SURFACE "THERMOEXCEL""
HITACHI REVIEW, VOL. 24, 1975, PP. 329-333
023011 1975 ** ROUGHSURF
POOLBOIL CONDENSATION

NEWSUN;I.H.
"HEAT TRANSFER CHARACTERISTICS OF HORIZONTAL TUBE MULTIPLE EFFECT (HTME) EVAPORATORS - POSSIBLE ENHANCED TUBE PROFILES"
PROCEEDINGS OF THE SIXTH INTERNATIONAL SYMPOSIUM ON FRESH WATER FROM THE SEA, VOL.2, 1978, PP.113-124
023018 1978 ** ROUGHSURF
POOLBOIL

NEWSON;I.H.
"HEAT TRANSFER CHARACTERISTICS OF HORIZONTAL TUBE MULTIPLE EFFECT EVAPORATORS"
INCRA RESEARCH REPORT NO.247, FEBRUARY 1976
023019 1976 ** ROUGHSURF
POOLBOIL

NISHIKAWA;K. FUJITA;Y. OHTA;H.
HIDAKA;S.
"EFFECT OF THE SURFACE ROUGHNESS ON THE NUCLEATE BOILING HEAT TRANSFER OVER THE WIDE RANGE OF PRESSURE"
HEAT TRANSFER 1982, VOL.4, HEMISPHERE PUBLISHING COMPANY, WASHINGTON, D.C., 1982, PP.61-66
023022 1982 VIIHTC ROUGHSURF
POOLBOIL

NISHIMATSU;A. TAJIMA;O. TSUJI;H.
SUGANUMA;S.
"POOL BOILING HEAT TRANSFER TO LITHIUM BROMIDE WATER SOLUTIONS UNDER VACUUM (PART 2. EFFECTS OF ROUGHNESS OF HEATING SURFACE)"
HEAT TRANSFER-JAPANESE RESEARCH, VOL. 8, NO. 4, 1979, PP. 1-15
023007 1979 HTJR ROUGHSURF
POOLBOIL

SABIN;C.M. POPPENDIEK;H.F.
"HEAT TRANSFER ENHANCEMENT FOR EVAPORATORS"
PROCEEDINGS FOURTH ANNUAL CONFERENCE ON OCEAN THERMAL ENERGY CONVERSION, NEW ORLEANS, LOUISIANA, MARCH 1977, PP. VI-93 - VI-104
013089 1977 ** TREATSURF
POOLBOIL SWIRLFLO 1FORCECONV ROUGHSURF
DISPERMIDVICE

SAMSONOV;V.V. GOMELAURI;A.V.
"FILM BOILING OF LIQUID NITROGEN ON VERTICAL SURFACES"
HEAT TRANSFER - SOVIET RESEARCH, VOL.11, NO.2, 1979, PP.50-52
023028 1979 HTSR ROUGHSURF
POOLBOIL

SATHER;N.F. LEWIS;L.G. LORENZ;J.J.
YUNG;D.
"PERFORMANCE TESTS OF 1 MWT OTEC HEAT EXCHANGERS"
PROCEEDINGS OF THE FIFTH OCEAN THERMAL ENERGY CONVERSION CONFERENCE, VOL.3, 1978 PP.VI-1-VI-19
013079 1978 ** TREATSURF
POOLBOIL ROUGHSURF CONDENSATION

SCHROEDER;J.J. FAST;P. SANDER-BEUERMANN;W.
"HYDRODYNAMICS AND HEAT TRANSFER ON VERTICALLY FINNED SURFACES IN FALLING FILM EVAPORATORS"
DESALINATION, VOL.31, 1979, PP.19-34
033021 1979 ** EXTENDED SURF
POOLBOIL ROUGHSURF CONDENSATION

SCHULTZ;V.N. EDWARDS;D.K. CATTON;I.
"EXPERIMENTAL DETERMINATION OF EVAPORATIVE HEAT TRANSFER COEFFICIENTS ON HORIZONTAL THREADED TUBES"
AMERICAN INSTITUTE OF CHEMICAL ENGINEERS SYMPOSIUM SERIES NO.164, VOL.73, 1977, PP.223-227
033018 1976 AICHE ROUGHSURF
POOLBOIL

SHEKRILADZE;I.G. MESTVIRISHVILI;S.A. RUSISHVILI;D.G.
ZHORZHOLIANI;G.I. RATIANI;V.G.
"STUDIES IN THE MECHANISM OF BOILING AND OF ENHANCEMENT OF EVAPORATIVE COOLING COEFFICIENTS"
HEAT TRANSFER-SOVIET RESEARCH, VOL. 12, NO. 2, 1980, PP. 91-95
023002 1980 HISR ROUGHSURF
POOLBOIL

SIDEMAN;S. SEMIAT;R. MOALEM-MARON;D.
"ENHANCED TRANSFER IN HORIZONTAL EVAPORATOR-CONDENSER CONDUITS WITH CIRCUMFERENTIAL GROOVES"
PROCEEDINGS OF THE 6TH INTERNATIONAL SYMPOSIUM ON FRESH WATER FROM THE SEA, VOL.1, 1978, PP.183-192
025033 1978 ** ROUGHSURF
EXTENDED SURF CONDENSATION POOLBOIL

SIDEMAN;S.
"FILM EVAPORATION AND CONDENSATION IN DESALINATION"
HEAT EXCHANGERS, THERMAL-HYDRAULIC FUNDAMENTALS AND DESIGN, HEMISPHERE PUBLISHING CORPORATION, WASHINGTON, AND MC GRAW-HILL BOOK COMPANY, NEW YORK, 1981, PP.357-376
023029 1981 ** ROUGHSURF
POOLBOIL EXTENDED SURF CONDENSATION

STEPHAN;K. MITROVIC;J.
"HEAT TRANSFER IN NATURAL CONVECTIVE BOILING OF REFRIGERANT-OIL MIXTURES"
HEAT TRANSFER 1982, VOL.4, HEMISPHERE PUBLISHING COMPANY, WASHINGTON, D.C., 1982, PP.73-87
023023 1982 VIIHTC ROUGHSURF
POOLBOIL

TORII;T. HIRASAWA;S. KUWAHARA;H.
YANAGIDA;T. FUJIE;K.
"THE USE OF HEAT EXCHANGERS WITH THERMOEXCEL'S TUBING IN OCEAN THERMAL ENERGY POWER PLANTS"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.78-WA/HT-65, 1978
023004 1978 ASME ROUGHSURF
POOLBOIL CONDENSATION 1FORCECONV

VASILIEV;L.L. ABRAMENKO;A.N. KANONCHIK;L.E.
"BOILING LIQUID HEAT TRANSFER ON POROUS AND DEVELOPED SURFACES"
JOURNAL OF ENGINEERING PHYSICS, VOL.34, 1978, PP.508-524
023024 1978 JEP ROUGHSURF
POOLBOIL EXTENDED SURF

WEBB;R.L.
"THE EVOLUTION OF ENHANCED SURFACE GEOMETRIES FOR NUCLEATE BOILING"
HEAT TRANSFER ENGINEERING, VOL.2, NOS.3-4, 1981, PP.46-69
000118 1981 HTE LITSURVEY
TREATSURF ROUGHSURF POOLBOIL

WEBB;R.L.
"PERFORMANCE, COST EFFECTIVENESS, AND WATER-SIDE FOULING CONSIDERATIONS OF ENHANCED TUBE HEAT EXCHANGERS FOR BOILING SERVICE WITH TUBE-SIDE WATER FLOW"
HEAT TRANSFER ENGINEERING, VOL.3, NOS.3-4, 1982, PP.84-98
150070 1982 HTE PERFORMANCE
TREATEDSURF POOLBOIL ROUGHSURF 1FORCECONV

WRIGHT;D. WAGNER;W. SHOJI;J.
CAMPBELL;J.
"SUMMARY OF ANALYSIS AND TESTING ON ADVANCED VARIFLUX OTEC
SCALED EVAPORATOR AND CONDENSER COMPONENTS"
PROCEEDINGS OF THE FIFTH OCEAN THERMAL ENERGY CONVERSION
CONFERENCE, VOL.3, 1978, PP.VI-345 - VI-365
023020 1978 OTEC ROUGHSURF
POOLBOIL

ROUGH SURFACES — FLOW BOILING

ACKERMAN;J.W.

"PSEUDOBUILDING HEAT TRANSFER TO SUPERCRITICAL PRESSURE
WATER IN SMOOTH AND RIBBED TUBES"
JOURNAL OF HEAT TRANSFER, VOL.92, 1970, PP.490-498
024014 1970 JHT ROUGHSURF
FLOBOIL

ANONYMOUS

"ENHANCED HEAT TRANSFER TUBES FOR SEAWATER DISTILLATION
(DESALINATION)"
TECHNICAL BULLETIN NO.17, YORKSHIRE IMPERIAL METALS LIMITED,
LEEDS, ENGLAND, AUGUST, 1973
035052 1973 ** EXTENDED SURF
CONDENSATION ROUGHSURF 1FORCECONV FLOBOIL

BERNSTEIN;E. PETREK;J.P. MEREKIAN;J.
"EVALUATION AND PERFORMANCE OF ONCE-THROUGH, ZERO-GRAVITY
BOILER TUBES WITH TWO-PHASE WATER"
PRATT AND WHITNEY AIRCRAFT CORPORATION REPORT PWAC-428,
JULY 1964
024011 1964 ** ROUGHSURF
FLOBOIL

BOND;J.A. CONVERSE;G.L.
"VAPORIZATION OF HIGH TEMPERATURE POTASSIUM IN FORCED
CONVECTION AT TEMPERATURES FROM 1800 F TO 2100 F"
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION TOPICAL REPORT
R66SD3016, 1966
054038 1966 NASA SWIRLFLO
ROUGHSURF DISPENHDEVICE FLOBOIL

BORISHANSKIY;V.M. DANILOVA;G.N. KOPP;I.Z.
DYUNDIN;V.A. BORISHANSKAYA;A.V.
"DESIGN OF ROUGHNESS OF HEAT EXCHANGERS AND STEAM
GENERATORS"
HEAT TRANSFER - SOVIET RESEARCH, VOL.13, NO.2, 1981, PP.
26-36
024041 1981 HTSR ROUGHSURF
FLOBOIL

BRYAN;W.L. QUAIN;G.W.
"HEAT TRANSFER COEFFICIENTS IN HORIZONTAL TUBE EVAPORATORS"
REFRIGERATING ENGINEERING, VOL.59, NO.1, 1951, PP.67-72
024002 1951 ** ROUGHSURF
FLOBOIL

BRYAN;W.L. SEIGEL;L.G.
"HEAT TRANSFER COEFFICIENTS IN HORIZONTAL TUBE EVAPORATORS"
REFRIGERATING ENGINEERING, VOL.63, NO.5, 1955, PP.36-45, 120
024003 1955 ** ROUGHSURF
FLOBOIL

BURCK;E. HUFSCMIDT;W. DE CLERCQ;E.
"EINFLUSS KUNSTLICHER RAUIGKEITEN AUF DIE KRITISCHE
WAERMESTROMDICHTEN BEI ERZWUNGENEN KONVEKTION"
EUR 4040D, 1968. ATOMKERNENERGIE, VOL.14, 1969, PP.305-308
024013 1969 ** ROUGHSURF
FLOBOIL

CARNAVO;S.T.C.

"SOME RECENT DEVELOPMENTS IN AUGMENTED HEAT EXCHANGE
ELEMENTS"
HEAT EXCHANGERS: DESIGN AND THEORY SOURCE BOOK, SCRIPTA
BOOK COMPANY, WASHINGTON, D.C. 1974, PP.441-489
000034 1972 ** LITSURVEY
ROUGHSURF FLOBOIL CONDENSATION MASSTRAN

CHOJNOWSKI;B. WHITTUTT;R.D.B.
"CORROSION FAILURE: ONE CAUSE AND A CURE IN AN OPERATIONAL
BOILER"
COMBUSTION, NOVEMBER 1976, PP.28-33
024020 1976 ** ROUGHSURF
SWIRLFLO FLOBOIL

DANILOVA;G.N. GUYGO;E.I. BORISHANSKAYA;A.V.
BUKIN;V.G. DYUNDIN;V.A. KOZYREV;A.A.
MALIKOV;L.S. MALYUGIN;G.I.
"ENHANCEMENT OF HEAT TRANSFER DURING BOILING OF LIQUID
REFRIGERANTS AT LOW HEAT FLUXES"
HEAT TRANSFER - SOVIET RESEARCH, VOL.8, NO.4, 1976, PP.1-8
013060 1976 HTSR TREATSURF

ROUGHSURF POOLBOIL FLOBOIL

DEMBI;N.J. DHAR;P.L. ARORA;C.P.
"AN INVESTIGATION INTO THE USE OF WIRE SCREENS IN DX-
EVAPORATORS"
PAPER B1-25 PRESENTED AT 15TH INTERNATIONAL CONGRESS OF
REFRIGERATION, VENICE, ITALY, SEPTEMBER 1979
024039 1979 ** ROUGHSURF
FLOBOIL

DURANT;W.S. MIRSHAK;S.
"ROUGHENING OF HEAT TRANSFER SURFACES AS A METHOD OF
INCREASING HEAT FLUX AT BURNOUT"
E.I. DU PONT DE NEMOURS & CO., SAVANNAH POWER LABORATORY
REPORT NO. DP-380, JULY 1959
024005 1959 ** ROUGHSURF
FLOBOIL

EDWARDS;J.A. HOFFMAN;H.W.
"SUPERHEAT WITH BOILING ALKALI METALS"
PROCEEDINGS OF THE CONFERENCE ON APPLICATION OF HIGH
TEMPERATURE INSTRUMENTATION TO LIQUID-METAL EXPERIMENTS,
ARGONNE NATIONAL LABORATORY REPORT ANL-7100, 1965,
PP.515-534
013009 1965 ANL TREATSURF
ROUGHSURF POOLBOIL FLOBOIL

GOMELAURI;V.I. MAGRAKVELIDZE;T.S.
"EXPERIMENTS ON THE EFFECTS OF A TWO-DIMENSIONAL ROUGHNESS
FOR THE CRITICAL HEAT LOADS AND THE HEAT TRANSFER IN A FLOW
OF A BOILING LIQUID"
THERMAL ENGINEERING, VOL. 23, NO. 6, 1976, PP. 4-7
024021 1976 TENG ROUGHSURF
FLOBOIL

GOMELAURI;V.I. MAGRAKVELIDZE;T.S.
"MECHANISM OF INFLUENCE OF TWO DIMENSIONAL ARTIFICIAL ROUGH-
NESS ON CRITICAL HEAT FLUX IN SUBCOOLED WATER FLOW;
THERMAL ENGINEERING, VOL.25, NO.2, 1978, PP.1-3
024015 1978 TENG ROUGHSURF
FLOBOIL

GROENEVELD;D.C.
"EFFECT OF SURFACE ROUGHNESS ON THE POST DRYOUT HEAT
TRANSFER COEFFICIENT"
ATOMIC ENERGY OF CANADA LIMITED, REPORT NO. CRNL-647,
JULY 1971
024025 1971 ** ROUGHSURF
FLOBOIL

INOUE;S. SUEMATSU;H. FUKUSHIMA;Y.
"THE LIQUID-FILM EVAPORATION HEAT TRANSFER OF FLUTED TUBES"
PROCEEDINGS OF 8TH FALL CONFERENCE OF THE SOCIETY OF
CHEMICAL ENGINEERS, JAPAN, 1974, PP. 400-401
024036 1974 ** ROUGHSURF
FLOBOIL

ITO;M. KIMURA;H.
"BOILING HEAT TRANSFER AND PRESSURE DROP IN INTERNAL
SPIRAL-GROOVED TUBES"
BULLETIN OF THE JAPAN SOCIETY OF MECHANICAL ENGINEERS, VOL.
22, 1979, PP.1251-1257
024029 1979 BJSME ROUGHSURF
FLOBOIL

JANSSEN;E. KERVINEN;J.A.
"BURNOUT CONDITIONS FOR SINGLE ROD IN ANNULAR GEOMETRY,
WATER AT 600 TO 1400 PSIA"
GENERAL ELECTRIC ATOMIC POWER EQUIPMENT DEPARTMENT REPORT
GEAP-3899, FEBRUARY 1963
024007 1963 ** ROUGHSURF
FLOBOIL

JANSSEN;E. LEVY;S. KERVINEN;J.A.
"INVESTIGATIONS OF BURNOUT IN AN INTERNALLY HEATED ANNULUS
COOLED BY WATER AT 600 TO 1450 PSIA"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.
63-WA-149, 1963
024008 1963 ASME ROUGHSURF
FLOBOIL

- KALININ;E.K. DREITSER;G.A. YARKHO;S.A.
KUSMINOV;V.A.
"THE EXPERIMENTAL STUDY OF THE HEAT TRANSFER INTENSIFICATION
UNDER CONDITIONS OF FORCED ONE- AND TWO-PHASE FLOW IN
CHANNELS"
AUGMENTATION OF CONVECTIVE HEAT AND MASS TRANSFER,
AMERICAN SOCIETY OF MECHANICAL ENGINEERS, NEW YORK, 1970,
PP.80-91
022074 1970 ACHMT ROUGHSURF
1FORCECONV FLOBOIL
- KALININ;E.K. DREITSER;G.A. ISAEV;N.O.
"EXPERIMENTS ON HEAT TRANSFER AUGMENTATION WITH FILM BOILING
OF CRYOGENIC FLUIDS"
IZVESTIYA AKADEMII NAUK SSSR, ENERGETIKA I TRANSPORT, VOL.6,
NO.6, 1978, PP.106-115
024034 1978 ** ROUGHSURF
FLOBOIL
- KALININ;E.K. DREYTSER;G.A. ZAKIROV;S.G.
VAKHABOV;A.A. AGZAMOV;S.K. LEVIN;E.S.
"IMPROVEMENT OF HEAT TRANSFER IN TUBULAR HEAT EXCHANGERS
BY THE USE OF GROOVED TUBES"
HEAT TRANSFER-SOVIET RESEARCH, VOL.13, NO.4, 1981, PP.30-40
022393 1981 HTSR ROUGHSURF
1FORCECONV FLOBOIL CONDENSATION
- KAWAI;S. YAMADA;H.
"EXPERIMENTAL INVESTIGATION OF THE HEAT TRANSFER
CHARACTERISTICS OF CORRUGATED TUBES FOR TUBE SIDE BOILING OF
REFRIGERANTS"
REFRIGERATION, VOL.52, 1977, PP.449-456
024032 1977 ** ROUGHSURF
FLOBOIL
- KOVALYOV;E.M. KOSTENKO;Z.F. SERGEENKOV;V.P.
KUZMIN;I.G.
"INTENSIFICATION OF THE OPERATION OF NATURAL-CONVECTION
EVAPORATION APPARATUS"
CHEMICAL AND PETROLEUM ENGINEERING, VOL.17, 1981, PP.404-405
024047 1981 CPE ROUGHSURF
FLOBOIL
- LARSON;R.L. QUAIN;G.W. BRYAN;W.L.
"EFFECTS OF TURBULENCE PROMOTERS IN REFRIGERANT EVAPORATOR
COILS"
REFRIGERATING ENGINEERING, VOL.57, 1949, PP.1193-1195
024001 1949 ** ROUGHSURF
FLOBOIL
- LELCHUK;V.L. NIKITIN;Y.M. PUPKOV;E.I.
SMIRNOVA;V.P. SHUYAASKAIA;K.F. BRAGINA;O.N.
OGIN;E.D. POKROVSKI;Y.Y. SOROKIN;A.G.
YAKOVLEVA;N.N.
"INTENSIFICATION OF CONVECTIVE HEAT TRANSFER"
THERMAL ENGINEERING, VOL.27, NO.2, 1980, PP.98-101
024043 1980 TENG ROUGHSURF
FLOBOIL
- MARTIN;H. SCHLUENDER;E.U. VOGELPOHL;A.
"ENHANCED HEAT TRANSFER WITH FLUTED TUBES FOR CONDENSATION
AND EVAPORATION - AN EXPERIMENTAL STUDY;"
VON KARMAN INSTITUTE FOR FLUID DYNAMICS OF VKI LS-94,
JANUARY 1977
024026 1977 ** ROUGHSURF
FLOBOIL CONDENSATION EXTENDED SURF
- MENTES;A. YILDIRIM;O.T. FU;L.Q.
KAKAC;S. VEZIROGLU;T.N.
"EXPERIMENTAL INVESTIGATION OF BOILING FLOW INSTABILITIES
WITH HEAT TRANSFER ENHANCEMENT"
PROCEEDINGS OF CONDENSED PAPERS OF THE THIRD MULTI-PHASE
FLOW AND HEAT TRANSFER SYMPOSIUM-WORKSHOP, MIAMI BEACH,
FLORIDA, APRIL 1983, P.156
024045 1983 ** ROUGHSURF
FLOBOIL TREATED SURF DISPENS DEVICE
- MENTES;A. YILDIRIN;O.T. GUERGENCE;H.
KAKAC;S. VEZIROGLU;T.N.
"EFFECT OF HEAT TRANSFER AUGMENTATION TWO-PHASE FLOW
INSTABILITIES IN A VERTICAL BOILING CHANNEL"
- WAERME-UND STOFFUEBERTRAGUNG, VOL.17, 1983, PP.161-169
024046 1983 ** ROUGHSURF
FLOBOIL
- MURPHY;R.W. TRUESDALE;K.L.
"THE MECHANISM AND THE MAGNITUDE OF FLOW BOILING
AUGMENTATION IN TUBES WITH DISCRETE SURFACE ROUGHNESS
ELEMENTS (III)"
RAYTHEON COMPANY REPORT BR-7294, NOVEMBER 1972
024022 1972 ** ROUGHSURF
FLOBOIL 1FORCECONV
- NOVIKOV;E.P. KOVALEV;E.M. SANGEENKOV;V.P.
"IMPROVEMENT OF HEAT TRANSFER IN EVAPORATORS"
CHEMICAL AND PETROLEUM ENGINEERING, VOL.17, 1981, PP.81-83
024044 1981 ** ROUGHSURF
FLOBOIL
- ODA;N. OGURA;S. TANAKA;M.
TAKASHIMA;H. TSUKAMOTO;K.
"SUMITOMO CROSSRIFLE TUBE FOR HIGH HEAT FLUX BOILER"
THE SUMITOMO SEARCH, NO.8, 1972, PP.69-80
024030 1972 ** ROUGHSURF
FLOBOIL
- ORLOV;V.K. POZNYAK;V.Y. SAVEL'YEV;V.N.
KUZ'MENKO;G.P.
"ENHANCEMENT OF THE HEAT TRANSFER COEFFICIENT IN BOILING OF
CRYOGENIC FLUIDS"
HEAT TRANSFER - SOVIET RESEARCH, VOL.12, NO.2, 1980, PP.
79-84
013097 1980 HTSR TREATSURF
POOLBOIL ROUGHSURF FLOBOIL
- ORNATSKIY;A.P. FURAYEV;V.S. CHERNOBAY;V.A.
VASIL'YEV;A.F. PERKOV;S.V.
"INCREASE IN THE CRITICAL HEAT FLUX DENSITY IN ANNULI
HEATED FROM BOTH SIDES"
HEAT TRANSFER - SOVIET RESEARCH, VOL.11, NO.1, 1979,
PP.24-29
024048 1979 HTSR ROUGHSURF
SWIRLFLO FLOBOIL
- ORNATSKIY;V.A. CHERNABAY;A.F. VASIL'YEV;A.F.
FURAYEV;V.S.
"BOILING CRISIS IN HEATED ANNULI WITH TURBULENCE PROMOTERS
IN CASES OF LENGTHWISE-UNIFORM AND NON-UNIFORM HEAT RELEASE
HEAT TRANSFER-SOVIET RESEARCH, VOL.11, NO.1, 1979,
PP.119-125
054047 1979 HTSR SWIRLFLO
ROUGHSURF FLOBOIL
- POLONSKI;V.S. MALASHKIN;I.I.
"AN EXPERIMENTAL STUDY OF HEAT EXCHANGE INTENSIFICATION IN
THE TRANSCRITICAL REGION OF STEAM GENERATING CHANNELS"
HIGH TEMPERATURE, VOL.16, NO.2, PP.296-300
024028 1978 ** ROUGHSURF
FLOBOIL
- QUINN;E.P.
"TRANSITION BOILING HEAT TRANSFER PROGRAM"
GENERAL ELECTRIC ATOMIC POWER EQUIPMENT DEPARTMENT REPORT
GEAP-4727, OCTOBER 1964
024009 1964 GEAP ROUGHSURF
FLOBOIL
- QUINN;E.P.
"TRANSITION BOILING HEAT TRANSFER PROGRAM"
GENERAL ELECTRIC ATOMIC POWER EQUIPMENT DEPARTMENT REPORT
GEAP-4608, APRIL 1964
024010 1964 GEAP ROUGHSURF
FLOBOIL
- RIFERT;V.G. BARABASH;P.A.
"LAWS OF HYDRODYNAMICS AND HEAT EXCHANGE DURING VAPOR FORMA-
TION IN A FILM AT A VERTICAL SURFACE WITH WIRE INTENSIFIERS.
I. STUDY OF HYDRODYNAMICS OF THE FILM"
JOURNAL OF ENGINEERING PHYSICS, VOL.28, 1975, P.655
024023 1975 JEP ROUGHSURF
FLOBOIL

RIFERT;V.G. BARABASH;P.A. MUZHILKO;A.A.
 "LAWS OF HYDRODYNAMICS AND HEAT EXCHANGE DURING VAPOR FORMATION IN A FILM AT A VERTICAL SURFACE WITH WIRE INTENSIFIERS. 2. STUDY OF HEAT EXCHANGERS"
 JOURNAL OF ENGINEERING PHYSICS, VOL.28, 1975, PP.655-666
 024024 1975 JEP ROUGHSURF
 FLOBOIL

SABIN;C.M. POPPENDIEK;H.F. CONNELLY;D.J.
 "NUCLEATING VAPORIZATION AND EXTENDED SURFACE HEAT TRANSFER AT LOW TEMPERATURE DIFFERENCE"
 GEOSCIENCE LTD., REPORT GLR-165, SOLANA BEACH, CALIFORNIA, 1976
 022268 1976 ** ROUGHSURF
 1FORCECONV FLOBOIL EXTENDED SURF
 NHC

SATO;S. NAGATA;K.
 "EVALUATION OF VARIOUS HEAT EXCHANGER TUBES FOR MSF PLANTS"
 SUMITOMO LIGHT METAL TECHNICAL REPORTS, VOL.18, NO.1-2, 1977
 035079 1977 ** EXTENDED SURF
 CONDENSATION FLOBOIL ROUGHSURF

SELLERS;A.J. THUR;G.M. WONG;M.K.
 "RECENT DEVELOPMENTS IN HEAT TRANSFER AND DEVELOPMENT OF THE MERCURY BOILER FOR THE SNAP-8 SYSTEM"
 ARGONNE NATIONAL LABORATORY REPORT ANL-7100, 1965
 PP.537-632
 024012 1965 ANL ROUGHSURF
 FLOBOIL

SEPTON;H.H.
 "RENOVATION OF INDUSTRIAL INORGANIC WASTEWATER BY EVAPORATION WITH INTERFACE ENHANCEMENT"
 EPA 60012-76-017, 1976
 144002 1976 ** COMPOUNDTECH
 FLOBOIL ADDFORLIQUIDS ROUGHSURF

SEPTON;H.H.
 "RENOVATION OF POWER PLANT COOLING TOWER BLOWDOWN FOR RECYCLE BY EVAPORATION:CRYSTALLIZATION WITH INTERFACE ENHANCEMENT"
 EPA-60017-77-063, 1977
 144003 1977 ** COMPOUNDTECH
 FLOBOIL ADDFORLIQUIDS ROUGHSURF

SEPTON;H.H.
 "DEVELOPMENT OF VERTICAL TUBE FOAM EVAPORATION FOR DESALINATION"
 UNIVERSITY OF CALIFORNIA SEA WATER CONVERSION LABORATORY, BERKELEY, CALIFORNIA, 1975
 144004 1975 ** COMPOUNDTECH
 FLOBOIL ADDFORLIQUIDS ROUGHSURF

SEPTON;H.H.
 "DESALINATION BY UPFLOW VERTICAL TUBE EVAPORATION WITH INTERFACE ENHANCEMENT"
 INTERNATIONAL DESALTING CONFERENCE, PONCE, PUERTO RICO, APRIL 23-25, 1975
 144001 1975 ** COMPOUNDTECH
 FLOBOIL ADDFORLIQUIDS ROUGHSURF

STYRIKOVICH;M.A. LEONT'YEV;A.I. POLONSKII;V.S.
 MALASHKIN;I.I.
 "EXPERIMENTAL STUDY OF HEAT EXCHANGE IN THE TRANS-CRITICAL REGION OF SMOOTH AND ROUGH STEAM-GENERATING CHANNELS"
 HIGH TEMPERATURE, VOL.15, 1977, PP.472-477
 024031 1977 ** ROUGHSURF
 FLOBOIL

STYRIKOVICH;M.A. POLONSKII;V.S.
 "EXPERIMENTAL STUDY OF THE EFFECT OF ARTIFICIAL ROUGHNESS ON POST-DRYOUT HEAT TRANSFER"
 HEAT TRANSFER 1974, VOL.IV, 1974, THE JAPAN SOCIETY OF MECHANICAL ENGINEERS, TOKYO, PP.145-149
 024016 1974 VIHTC ROUGHSURF
 FLOBOIL

STYRIKOVICH;M.A. LEONT'YEV;A.I. POLONSKII;V.S.
 MALASHKIN;I.I.
 "INVESTIGATION OF TRANSCRITICAL (POST-DRYOUT) HEAT TRANSFER IN SMOOTH AND ROUGH STEAM-GENERATING TUBES"
 HEAT TRANSFER - SOVIET RESEARCH, VOL.9, NO.1, 1977, PP.123-131
 024027 1977 HTSR ROUGHSURF
 FLOBOIL

STYRIKOVICH;M.A. LEONT'YEV;A.I. MOSTINSKII;I.L.
 POLONSKII;V.S. CHERNIKA;I.M.
 "BOILING CRISES IN HORIZONTAL CHANNELS WITH A SCREEN ON THE INSIDE SURFACE"
 HIGH TEMPERATURE, VOL.18, NO.4, 1980, PP.617-622
 024037 1980 ** ROUGHSURF
 FLOBOIL

STYRIKOVICH;M.A. LEONTIEV;A.I. POLONSKY;V.S.
 MALASHKIN;I.I.
 "ANALYTICAL STUDY OF HEAT TRANSFER IN THE POST DRY-OUT REGION IN SMOOTH AND ROUGH-VAPORIZATION CHANNELS"
 INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL. 23, 1980, PP. 1045-1053
 024038 1980 IJHMT ROUGHSURF
 FLOBOIL

SUBBOTIN;V.I. KAZNOVSKIY;S.P. SAPANKEVICH;A.P.
 "AN EXPERIMENTAL STUDY OF METHODS FOR AUGMENTING THE CRITICAL CAPACITY OF STEAM-GENERATING TUBES"
 HEAT TRANSFER - SOVIET RESEARCH, VOL.7, NO.5, 1975, PP.85-95
 054011 1975 HTSR SWIRLFLO
 FLOBOIL ROUGHSURF EXTENDED SURF COILED TUBE

SUESSMANN;W. RINGER;D.U.
 "STEAM-HEATED WATER BATH EVAPORATORS FOR LIQUEFIED GASES"
 PRESENTED AT THE ADVANCEMENT IN HEAT EXCHANGERS SEMINAR, DUBROVNIK, YUGOSLAVIA, SEPTEMBER 7-12, 1981
 024042 1981 ** ROUGHSURF
 FLOBOIL SWIRLFLO

SWENSON;H.S. CARVER;J.R. SZOEKE;G.
 "THE EFFECTS OF NUCLEATE BOILING VERSUS FILM BOILING ON HEAT TRANSFER IN POWER BOILER TUBES"
 JOURNAL OF ENGINEERING FOR POWER, VOL.84, 1962, PP.365-371
 024006 1962 ** ROUGHSURF
 FLOBOIL

TOLUBINSKIY;V.I. DOMASHEV Y.D. LITOSHENKO;A.K.
 "BOILING CRISIS IN CONCENTRIC AND ECCENTRIC ANNULI"
 HEAT TRANSFER - SOVIET RESEARCH, VOL.9, NO.1, PP.132-139.
 024033 1977 HTSR ROUGHSURF
 FLOBOIL

UPMALIS;A.
 "HEAT TRANSFER TO BOILING WATER IN ROUGH STEEL TUBES"
 WAERME- UND STOFFUEBERTRAGUNG, VOL.6, 1973, PP.160-164
 024019 1973 ** ROUGHSURF
 FLOBOIL

VAN DER MAST;V.C. READ;S.M. BROMLEY;L.A.
 "BOILING OF NATURAL SEA WATER IN FALLING FILM EVAPORATORS"
 DESALINATION, VOL.18, 1976, PP.71-94
 024004 1976 ** ROUGHSURF
 FLOBOIL ADDFORLIQUIDS SWIRLFLO

WATSON;G.B. LEE;R.A. WIENER;M.
 "CRITICAL HEAT FLUX IN INCLINED AND VERTICAL SMOOTH AND RIBBED TUBES"
 HEAT TRANSFER 1974, VOL.IV, 1974, THE JAPAN SOCIETY OF MECHANICAL ENGINEERS, TOKYO, PP.275-279
 024018 1974 VIHTC ROUGHSURF
 FLOBOIL

WIENER;M.
 "THE LATEST DEVELOPMENTS IN NATURAL CIRCULATION BOILER DESIGN"
 AMERICAN POWER CONFERENCE, CHICAGO, APRIL 1977, PGTP 77-35
 023015 1977 ** ROUGHSURF
 FLOBOIL

WITHERS;J.G. HADDAS;E.P.
 "HEAT TRANSFER CHARACTERISTICS OF HELICAL CORRUGATED TUBES
 FOR INTUBE BOILING OF REFRIGERANT R-12"
 AMERICAN INSTITUTE OF CHEMICAL ENGINEERS SYMPOSIUM SERIES
 NO.138, VOL.70, 1974, PP.98-106
 024017 1973 AICHE ROUGHSURF
 FLOBOIL

ZAJIC;V.
 "SOME RESULTS ON RESEARCH OF INTENSIFIED WATER COOLING BY
 ROUGHENED SURFACES AND SURFACE BOILING AT HIGH HEAT FLUX
 RATES"
 ACTA TECHNICA CSAV NO.5, 1965, PP.602-612
 022038 1965 ** ROUGHSURF
 1FORCECONV FLOBOIL

ZEMANEK;J.
 "SOME POSSIBILITIES FOR ENHANCEMENT OF HEAT TRANSPORT IN
 HEAT TRANSFER SYSTEMS MADE OF LOW TEMPERATURE, GRAVITY-
 OPERATED HEAT PIPES"
 ABSTRACT FROM THE SIXTH ALL-UNION HEAT AND MASS TRANSFER
 CONFERENCE, MINSK, USSR, 1980, HEAT TRANSFER - SOVIET
 RESEARCH, VOL.13, NO.6, 1981, P.132
 024035 1981 HTSR ROUGHSURF
 FLOBOIL CONDENSATION

ROUGH SURFACES — CONDENSATION

ANONYMOUS
"ENHANCED HEAT TRANSFER TUBES FOR SEAWATER DISTILLATION
(DESALINATION)"
TECHNICAL BULLETIN NO.17, YORKSHIRE IMPERIAL METALS LIMITED,
LEEDS, ENGLAND, AUGUST, 1973
035052 1973 ** EXTENDED SURF
CONDENSATION ROUGHSURF 1 FORCECONV FLOBOIL

ANONYMOUS
"YIM HEAT EXCHANGER TUBES: DESIGN DATA FOR HORIZONTAL ROPED
TUBES IN STEAM CONDENSERS"
TECHNICAL MEMORANDUM, YORKSHIRE IMPERIAL METALS LIMITED
LEEDS, ENGLAND, UNDATED
025007 ** ** ROUGHSURF
CONDENSATION

ANONYMOUS
"EXPLORATION OF HIGH PERFORMANCE HEAT TRANSFER SURFACES"
HITACHI MECHANICAL ENGINEERING RESEARCH LABORATORY,
TSCHIURA-CHI, JAPAN, SPECIAL RESEARCH REPORT 73823-4-1,
OCTOBER 15, 1974
022275 1974 ** ROUGHSURF
1 FORCECONV CONDENSATION

APPEL;D.W. HONG;S.H.
"OPTIMISING HEAT TRANSFER USING BARS IN DRYERS"
PAPER TECHNOLOGY AND INDUSTRY, AUGUST 1975, PP.1171-1176
145001 1975 ** COMPOUNDTECH
CONDENSATION ROUGHSURF MECHAID

ARAI;N. FUKUSHIMA;T. ARAI;A.
NAKAJIMA;T. FUJIE;K. NAKAYAMA;Y.
"HEAT TRANSFER TUBES ENHANCING BOILING AND CONDENSATION IN
HEAT EXCHANGER OF A REFRIGERATING MACHINE"
ASHRAE TRANSACTIONS, VOL.83, PT.2, 1977, PP.58-70
023008 1977 ASHRAE ROUGHSURF
POOLBOIL CONDENSATION 1 FORCECONV

BERGLES;A.E.
"HEAT TRANSFER CHARACTERISTICS OF TURBOTEC TUBING"
HEAT TRANSFER LABORATORY REPORT NO. HTL-24,
ISU-ERI-AMES-81018, IOWA STATE UNIVERSITY, 1980
000085 1980 ISU LITSURVEY
ROUGHSURF EXTENDED SURF 1 NATCONV 1 FORCECONV
CONDENSATION MASSTRAN

BOGOLYUBOV;Y.N. GAMBARYANTS;L.A. GRIGOR'EV;G.V.
DEREYANKO;A.S. PETRUSHIN;E.D.
"RESULTS OF INDUSTRIAL APPLICATION OF SPIRALLY CORRUGATED
(SHAPED) TUBES IN THE CONDENSER OF THE LENENERGO NO. 7 POWER
PLANT'S PT-25-90/10 TURBINE"
ENERGOMASHINOSTROENIE, NO. 4, 1977, PP. 35-36
025037 1977 ** ROUGHSURF
CONDENSATION 1 FORCECONV

BROMLEY;L.A. HUMPHREYS;R.F. MURRAY;W.
"CONDENSATION ON AND EVAPORATION FROM RADIALLY GROOVED
ROTATING DISKS"
JOURNAL OF HEAT TRANSFER, VOL.88, 1966, PP.80-93
145002 1966 JHT COMPOUNDTECH
MECHAID ROUGHSURF CONDENSATION POOLBOIL

CARNAVOS;T.C.
"SOME RECENT DEVELOPMENTS IN AUGMENTED HEAT EXCHANGE
ELEMENTS"
HEAT EXCHANGERS: DESIGN AND THEORY SOURCE BOOK, SCRIPTA
BOOK COMPANY, WASHINGTON, D.C. 1974, PP.441-489
000034 1972 ** LITSURVEY
ROUGHSURF FLOBOIL CONDENSATION MASSTRAN

CHANG;K.I. SPENCER;D.L.
"EFFECTS OF REGULARLY SPACED SURFACE RIDGES ON FILM
CONDENSATION HEAT TRANSFER COEFFICIENTS FOR CONDENSATION
IN THE PRESENCE OF NONCONDENSABLE GAS"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.14,
1971, PP.502-505
025002 1971 IJHMT ROUGHSURF
CONDENSATION

COMBS;S.K. MAILLEN;G.S. MURPHY;R.W.
"CONDENSATION OF REFRIGERANTS ON VERTICAL FLUTED TUBES"

OAK RIDGE NATIONAL LABORATORY REPORT NO. ORNL/TM-5848,
AUGUST 1978
025022 1978 ORNL ROUGHSURF
CONDENSATION EXTENDED SURF

COMBS;S.K. MURPHY;R.W.
"EXPERIMENTAL STUDIES OF OTEC HEAT TRANSFER CONDENSATION OF
AMMONIA ON VERTICAL FLUTED TUBES"
PROCEEDINGS OF THE FIFTH OCEAN THERMAL ENERGY CONVERSION
CONFERENCE, MIAMI BEACH, FLORIDA, FEBRUARY 1978
025028 1978 OTEC ROUGHSURF
CONDENSATION

COMBS;S.K.
"EXPERIMENTAL DATA FOR AMMONIA CONDENSATION ON VERTICAL AND
INCLINED FLUTED TUBES"
OAK RIDGE NATIONAL LABORATORY, NO. ORNL-5488, JANUARY 1979
025005 1979 ORNL ROUGHSURF
CONDENSATION

COX;R.B. MATTA;G.A. PASCALE;A.S.
STROMBERG;K.G.
"SECOND REPORT ON HORIZONTAL-TUBES MULTIPLE-EFFECT PROCESS
PILOT PLANT TESTS AND DESIGN"
OFFICE OF SALINE WATER, RESEARCH AND DEVELOPMENT REPORT NO.
592, MAY 1970
INTERIOR, MAY 7, 1970
025004 1970 OSW ROUGHSURF
CONDENSATION

COX;R.B. PASCALE;A.S. MATTA;G.A.
STROMBERG;K.S.
"PILOT PLANT TESTS AND DESIGN STUDY OF A 2.5 MGD
HORIZONTAL-TUBE MULTIPLE EFFECT (HTME) PLANT"
OFFICE OF SALINE WATER, RESEARCH AND DEVELOPMENT REPORT NO.
492, OCT. 1969
025010 1969 ** ROUGHSURF
CONDENSATION TREATSURF

COX;R.B.
"SOME FACTORS AFFECTING HEAT TRANSFER COEFFICIENTS IN THE
HORIZONTAL TUBE MULTIPLE EFFECT (HTME) DISTILLATION PROCESS"
THIRD INTERNATIONAL SYMPOSIUM ON FRESH WATER FROM THE SEA,
VOL. 1, 1970, PP. 247-263
025038 1970 ** ROUGHSURF
CONDENSATION

CUNNINGHAM;J. MILNE;H.K.
"THE EFFECT OF HELIX ANGLE ON THE PERFORMANCE OF ROPED
TUBES"
HEAT TRANSFER 1978, VOL.2, HEMISPHERE PUBLISHING
CORPORATION, WASHINGTON, 1978, PP.601-605
025014 1978 VIIHTC ROUGHSURF
CONDENSATION

CZIKK;A.M. O'NEILL;P.S.
"APPLICATION OF ENHANCED HEAT TRANSFER SURFACE TO VTE
PROCESS PLANT"
PRESENTED AT OFFICE OF SALINE WATER SYMPOSIUM ON ENHANCED
TUBES FOR DESALINATION PLANTS, MARCH 1969
013042 1969 OSW TREATSURF
POOLBOIL CONDENSATION ROUGHSURF

DARWISH;M.A.
"FILM-WISE CONDENSATION ON PLANE AND FLUTED TUBES"
PROCEEDINGS OF THE 6TH INTERNATIONAL SYMPOSIUM ON FRESH
WATER FROM THE SEA, VOL.1, 1978, PP.145-156
025032 1978 ** ROUGHSURF
EXTENDED SURF CONDENSATION

EISENBERG;D. BOGUE;D.
"TESTS OF AN ENHANCED HORIZONTAL TUBE CONDENSER UNDER
CONDITIONS OF HORIZONTAL STEAM CROSS FLOW"
HEAT TRANSFER 1970, VOL.1, PAPER HE2.1, ELSEVIER PUBLISH-
ING, COMPANY, AMSTERDAM, 1970
025036 1970 I VIHTC ROUGHSURF
CONDENSATION

EISENBERG;D.M.
"THE MULTITUBE CONDENSER TEST"
SYMPOSIUM ON ENHANCED TUBES FOR DESALINATION PLANTS,

OFFICE OF SALINE WATER, U.S. DEPARTMENT OF THE INTERIOR,
1970, PP. 155-176

035053 1970 OSW EXTENDED SURF
CONDENSATION 1 FORCE CONV ROUGH SURF

FUJII; T. HONDA; H.
"LAMINAR FILMWISE CONDENSATION ON A VERTICAL SINGLE FLUTED
PLATE"

HEAT TRANSFER 1978, VOL. 2, HEMISPHERE PUBLISHING COMPANY:
WASHINGTON, D.C., 1978, PP. 419-424

025025 1978 VIIHTC ROUGH SURF
CONDENSATION

HORAZAK; D.A. RABAS; T.J.
"CAPITOL COST SYSTEM OPTIMIZATION OF OTEC POWER MODULES"
ENERGY TECHNOLOGY CONFERENCE, HOUSTON, TEXAS, NOVEMBER 1978

150064 1978 ** PERFORMANCE
TREAT SURF ROUGH SURF EXTENDED SURF CONDENSATION

KALININ; E.K. DREYTSER; G.A. ZAKIROV; S.G.
VAKHABOV; A.A. AGZAMOV; S.K. LEVIN; E.S.
"IMPROVEMENT OF HEAT TRANSFER IN TUBULAR HEAT EXCHANGERS
BY THE USE OF GROOVED TUBES"
HEAT TRANSFER-SOVIET RESEARCH, VOL. 13, NO. 4, 1981, PP. 30-40

022393 1981 HTSR ROUGH SURF
1 FORCE CONV FLOBOIL CONDENSATION

KOZIOLO; K. BRONIAZ; L. NOWICKA; T.
"INFLUENCE OF SURFACE ROUGHNESS ON LIQUID/GAS MATERIAL
EXCHANGE"

CHEMIE-INGENIEUR-TECHNIK, VOL. 51, NO. 9, 1979, P. 897
026014 1979 ** ROUGH SURF
MASSTRAN CONDENSATION POOLBOIL

LUU; M. BERGLES; A.E.
"ENHANCEMENT OF HORIZONTAL IN-TUBE CONDENSATION OF R-113"
ASHRAE TRANSACTIONS, VOL. 85, PART 2, 1979, PP. 293-312

025031 1979 ASHRAET ROUGH SURF
CONDENSATION EXTENDED SURF SWIRLFLO

LUU; M. BERGLES; A.E.
"AUGMENTATION OF IN-TUBE CONDENSATION OF R-113"
HEAT TRANSFER LABORATORY REPORT NO. HTL-23,

ISU-ERI-AMES-80175, IOWA STATE UNIVERSITY, 1980
025035 1979 ISU ROUGH SURF
EXTENDED SURF CONDENSATION SWIRLFLO

MARTIN; H. SCHLUENDER; E.U. VOGELPOHL; A.
"ENHANCED HEAT TRANSFER WITH FLUTED TUBES FOR CONDENSATION
AND EVAPORATION - AN EXPERIMENTAL STUDY;"

VON KARMAN INSTITUTE FOR FLUID DYNAMICS OF VKI LS-94,
JANUARY 1977
024026 1977 ** ROUGH SURF
FLOBOIL CONDENSATION EXTENDED SURF

MEDWELL; J.O. NICOL; A.A.
"SURFACE ROUGHNESS EFFECTS ON CONDENSATE FILMS"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.
65-HT-43, 1965

025001 1965 ASME ROUGH SURF
CONDENSATION

MICHEL; J.W. MURPHY; R.W.
"ENHANCED CONDENSATION HEAT TRANSFER"
AMERICAN INSTITUTE OF CHEMICAL ENGINEERS SYMPOSIUM SERIES,
VOL. 76, NO. 199, 1980, PP. 183-191

025018 1980 AICHESS ROUGH SURF
CONDENSATION

NAKAYAMA; W. DAIKOKU; T. KUWAHARA; H.

KAKIZAKI; K.
"HIGH-FLUX HEAT TRANSFER SURFACE "THERMOEXCEL""
HITACHI REVIEW, VOL. 24, 1975, PP. 329-333

023011 1975 ** ROUGH SURF
POOLBOIL CONDENSATION

NEWSON; I.H. HODGSON; T.D.
"THE DEVELOPMENT OF ENHANCED HEAT TRANSFER CONDENSER TUBING"
DESALINATION, VOL. 14, 1974, PP. 291-323

025027 1974 ** ROUGH SURF
CONDENSATION

NEWSON; I.H.
"ENHANCED HEAT TRANSFER CONDENSER TUBING FOR ADVANCED
MULTISTAGE FLASH DISTILLATION PLANTS"
PROCEEDINGS OF THE FIFTH INTERNATIONAL SYMPOSIUM ON FRESH
WATER FROM THE SEA, VOL. 2, 1976, PP. 107-115

025026 1976 ** ROUGH SURF
CONDENSATION

NICOL; A.A. MEDWELL; J.O.
"THE EFFECT OF SURFACE ROUGHNESS ON CONDENSING STEAM"
CANADIAN JOURNAL OF CHEMICAL ENGINEERING, VOL. 44, 1966,
PP. 170-173

025016 1966 ** ROUGH SURF
CONDENSATION

PALEN; J. CHAM; B. TABOREK; J.
"COMPARISON OF CONDENSATION OF STEAM ON PLAIN AND TURBOTEC
SPIRALLY GROOVED TUBES IN A BAFFLED SHELL-AND-TUBE
CONDENSER"

HEAT TRANSFER RESEARCH INC., REPORT 2439-300/6, 1971
035021 1971 HTRI EXTENDED SURF
CONDENSATION ROUGH SURF

PEREVERZEV; D.A. SHPAK; V.V.
"UNSTEADY TWO-PHASE HEAT TRANSFER IN A VERTICAL PIPE HEATED
BY DRY SATURATED STEAM"
HEAT TRANSFER - SOVIET RESEARCH, VOL. 7, 1975, NO. 3, PP. 71-76

025003 1975 HTSR ROUGH SURF
CONDENSATION

RAHMAN; A.A.
"EFFECT OF SURFACE ROUGHNESS ON DROPWISE CONDENSATION"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO. 78-WA/HT-
42, 1978

025013 1978 ASME ROUGH SURF
CONDENSATION

REILLY; D.J.
"AN EXPERIMENTAL INVESTIGATION OF ENHANCED HEAT TRANSFER ON
HORIZONTAL CONDENSER TUBES"

M.S. THESIS, NAVAL POSTGRADUATE SCHOOL, 1978
025012 1978 ** ROUGH SURF
CONDENSATION

RIFERT; V.G. ZADIRAKA; V.Y.
"STEAM CONDENSATION INSIDE PLAIN AND PROFILED HORIZONTAL
TUBES"
THERMAL ENGINEERING, VOL. 25, NO. 8, 1978, PP. 54-57

025009 1978 TENG ROUGH SURF
CONDENSATION

RIFERT; V.G. LEONT'EV; G.G.
"AN ANALYSIS OF HEAT TRANSFER WITH STEAM CONDENSING ON A
VERTICAL SURFACE WITH WIRES TO PROMOTE HEAT TRANSFER"
THERMAL ENGINEERING, VOL. 23, NO. 4, 1976, PP. 58-61

025015 1976 TENG ROUGH SURF
CONDENSATION

RIFERT; V.G. CHAPLINSKY; S.I.
"STUDY OF HEAT TRANSFER AT VAPOR CONDENSATION WITH NON-
CONDENSABLE GASES PRESENT IN VERTICAL TUBES WITH WIRE
INTENSIFIERS"
PROBLEMS OF ENGINEERING THERMAL PHYSICS, VOL. 6, KIEV,
1966, PP. 40-43

025023 1976 ** ROUGH SURF
CONDENSATION

SAID; S.A. AZER; N.Z.
"HEAT TRANSFER AND PRESSURE DROP DURING CONDENSATION
INSIDE HORIZONTAL FINNED TUBES"

ASHRAE TRANSACTIONS, VOL. 89, PT. 1, 1983, PP.
025041 1983 ASHRAET ROUGH SURF
CONDENSATION

SARTOR; W.E.
"EXTENDED AND ENHANCED TUBE SURFACES TO IMPROVE HEAT
TRANSFER"

PROCEEDINGS OF THE SECOND SYMPOSIUM ON SHELL AND TUBE
HEAT EXCHANGERS, HOUSTON, TEXAS, SEPTEMBER 1981, PP.
411-418, 1982

- 025042 1982 ** ROUGHSURF
CONDENSATION EXTENDED SURF
- SATHER;N.F. LEWIS;L.G. LORENZ;J.J.
YUNG;D.
"PERFORMANCE TESTS OF 1 MWT OTEC HEAT EXCHANGERS"
PROCEEDINGS OF THE FIFTH OCEAN THERMAL ENERGY CONVERSION
CONFERENCE, VOL.3, 1978 PP.VI-1-VI-19
013079 1978 ** TREATSURF
POOLBOIL ROUGHSURF CONDENSATION
- SATO;S. NAGATA;K.
"EVALUATION OF VARIOUS HEAT EXCHANGER TUBES FOR MSF PLANTS"
SUMITOMO LIGHT METAL TECHNICAL REPORTS, VOL.18, NO.1-2, 1977
035079 1977 ** EXTENDED SURF
CONDENSATION FLOBOIL ROUGHSURF
- SCHROEDER;J.J. FAST;P. SANDER-BEUEMANN;W.
"HYDRODYNAMICS AND HEAT TRANSFER ON VERTICALLY FINNED
SURFACES IN FALLING FILM EVAPORATORS"
DESALINATION, VOL.31, 1979, PP.19-34
033021 1979 ** EXTENDED SURF
POOLBOIL ROUGHSURF CONDENSATION
- SHEYNKMAN;A.G.
"FLUID FLOW AND HEAT TRANSFER IN TURBULENT FILM CONDENSATION
OF VAPOR ON A ROUGH SURFACE"
HEAT TRANSFER - SOVIET RESEARCH, VOL.8, NO.1, 1973, PP.37-44
015023 1976 HTSR ROUGHSURF
CONDENSATION
- SIDEMAN;S. SEMIAT;R. MOALEM-MARON;D.
"ENHANCED TRANSFER IN HORIZONTAL EVAPORATOR-CONDENSER
CONDUITS WITH CIRCUMFERENTIAL GROOVES"
PROCEEDINGS OF THE 6TH INTERNATIONAL SYMPOSIUM ON FRESH
WATER FROM THE SEA, VOL.1, 1978, PP.183-192
025033 1978 ** ROUGHSURF
EXTENDED SURF CONDENSATION POOLBOIL
- SIDEMAN;S.
"FILM EVAPORATION AND CONDENSATION IN DESALINATION"
HEAT EXCHANGERS, THERMAL-HYDRAULIC FUNDAMENTALS AND
DESIGN, HEMISPHERE PUBLISHING CORPORATION, WASHINGTON,
AND MC GRAW-HILL BOOK COMPANY, NEW YORK, 1981, PP.357-376
023029 1981 ** ROUGHSURF
POOLBOIL EXTENDED SURF CONDENSATION
- SPENCER;D.L. IBELE;W.E.
"LAMINAR FILM CONDENSATION OF A SATURATED AND SUPERHEATED
VAPOR ON A SURFACE WITH A CONTROLLED TEMPERATURE DISTRI-
BUTION"
PROCEEDINGS OF THE THIRD INTERNATIONAL HEAT TRANSFER
CONFERENCE, CHICAGO, ILLINOIS, 1966, VOL. 2, AMERICAN
INSTITUTE OF CHEMICAL ENGINEERS, NEW YORK, 1966, PP. 337-347
025006 1966 ** ROUGHSURF
CONDENSATION
- SUEMATSU;H. INOUE;S. FUKUSHIMA;Y.
"ON THE CONDENSATION HEAT TRANSFER OF FLUTED TUBES"
PROCEEDINGS OF 8TH FALL CONFERENCE OF THE SOCIETY OF
CHEMICAL ENGINEERS, JAPAN, 1974, PP. 402-403
025039 1974 ** ROUGHSURF
CONDENSATION
- TEVAPPAUGH;J.A. KESHOCK;E.G.
"INFLUENCE OF ARTIFICIAL SURFACE PROJECTIONS ON FILM BOILING
HEAT TRANSFER"
ADVANCES IN ENHANCED HEAT TRANSFER, AMERICAN SOCIETY OF
MECHANICAL ENGINEERS, NEW YORK, 1979, PP.133-146
025011 1979 ASME ROUGHSURF
CONDENSATION
- THOMAS;D.G. HAYES;P.H.
"HIGH PERFORMANCE HEAT TRANSFER SURFACES"
INDUSTRIAL AND ENGINEERING CHEMISTRY, VOL.62, NO.2, 1970,
PP.4-9
035017 1970 IEC EXTENDED SURF
SWIRLFLO ROUGHSURF CONDENSATION 1FORCECONV
- TORII;T. HIRASAWA;S. KUWAHARA;H.
- YANAGIDA;T. FUJIE;K.
"THE USE OF HEAT EXCHANGERS WITH THERMOEXCEL'S TUBING IN
OCEAN THERMAL ENERGY POWER PLANTS"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.78-WA/HT-
65, 1978
023004 1978 ASME ROUGHSURF
POOLBOIL CONDENSATION 1FORCECONV
- TOVAZHANSKIY;L.L. ATROSHCHENKO;V.I. KEDROV;M.S.
"COEFFICIENTS OF HEAT TRANSFER FOR CONDENSATION OF LOW-
PRESSURE STEAM IN PLATE CONDENSERS WITH SLOTLIKE CHANNELS
IN A GRID PATTERN"
HEAT TRANSFER - SOVIET RESEARCH, VOL.9, NO.2, 1977, PP.28-31
025019 1977 HTSR ROUGHSURF
CONDENSATION
- UEHARA;H. MATSUTANI;K.
"HEAT TRANSFER COEFFICIENTS OF CONDENSATION ON VERTICAL
FLUTED TUBES"
PROCEEDINGS OF THE FIFTH OCEAN THERMAL ENERGY CONVERSION
CONFERENCE, MIAMI BEACH, FLORIDA, FEBRUARY 1978, PP.IV146-
IV160
025029 1978 OTEC ROUGHSURF
CONDENSATION
- WEBB;R.L.
"A GENERALIZED PROCEDURE FOR THE DESIGN AND OPTIMIZATION OF
FLUTED GREGORIG CONDENSING SURFACES"
PROCEEDINGS OF THE FIFTH OCEAN THERMAL ENERGY CONVERSION
CONFERENCE, VOL.3, 1977, PP.VI-123-VI-145
025024 1977 OTEC ROUGHSURF
CONDENSATION
- WITHERS;J.G. YOUNG;E.H.
"INVESTIGATION OF STEAM CONDENSATION ON VERTICAL ROWS OF
HORIZONTAL CORRUGATED AND PLAIN TUBES"
PRESENTED AT OFFICE OF SALINE WATER SYMPOSIUM ON ENHANCED
TUBES FOR DESALINATION PLANTS, MARCH 1969, PP.119-151
035004 1969 OSW EXTENDED SURF
CONDENSATION. ROUGHSURF
- YAMAMOTO;H. ISHIBACHI;T.
"CALCULATION OF CONDENSATION HEAT TRANSFER COEFFICIENTS ON
FLUTED TUBES - THE EFFECTS OF GRAVITATION AND VALLEY FLOW"
HEAT TRANSFER-JAPANESE RESEARCH, VOL.7, NO.3, 1979, PP.49-54
025017 1979 HTJR ROUGHSURF
CONDENSATION
- YAMAMOTO;H. ISHIBACHI;T.
"SUPPLEMENT TO 'CALCULATION OF CONDENSATION HEAT TRANSFER
COEFFICIENTS OF FLUTED TUBES'"
KAGAKU KOGAKU RONBUNSHU, VOL. 4, NO. 2, 1978, PP. 211-213
025020 1978 ** ROUGHSURF
CONDENSATION
- YAMAMOTO;H. ISHIBACHI;T.
"CALCULATION OF CONDENSATION HEAT TRANSFER COEFFICIENTS OF
FLUTED TUBES (TREATMENT BASED ON THE GREGORIG MODEL)"
HEAT TRANSFER - JAPANESE RESEARCH, VOL.6, NO.4, 1977
PP.61-68
025021 1977 HTJR ROUGHSURF
CONDENSATION
- YAMAMOTO;H. ISHIBACHI;T.
"CALCULATION OF CONDENSATION HEAT TRANSFER COEFFICIENTS OF
FLUTED TUBES"
PROCEEDINGS OF THE 6TH INTERNATIONAL SYMPOSIUM ON FRESH
WATER FROM THE SEA, VOL.1, 1978, PP.203-214
025034 1978 ** ROUGHSURF
EXTENDED SURF CONDENSATION
- YAMAMOTO;H. ISHIBACHI;T.
"HEAT TRANSFER PERFORMANCE OF DOUBLE FLUTED TUBES"
PROCEEDINGS OF 16TH MEETING OF THE COPPER EXTRUDING RESEARCH
GROUP OF THE SOCIETY OF COPPER EXTRUDING, JAPAN, VOL. 16,
NO. 1, 1977, PP. 197-206
025040 1977 ** ROUGHSURF
CONDENSATION
- YOUNG;E.H. WITHERS;J.G. LAMPERT;W.B.

"HEAT TRANSFER CHARACTERISTICS OF CORRUGATED TUBES IN STEAM
CONDENSING APPLICATIONS"
AMERICAN INSTITUTE OF CHEMICAL ENGINEERS PREPRINT 3 FOR
FIFTEENTH NATIONAL HEAT TRANSFER CONFERENCE, SAN FRANCISCO,
1975

025008 1975 AICHE ROUGHSURF
CONDENSATION 1FORCECONV

ZEMANEK; J.

"SOME POSSIBILITIES FOR ENHANCEMENT OF HEAT TRANSPORT IN
HEAT TRANSFER SYSTEMS MADE OF LOW TEMPERATURE, GRAVITY-
OPERATED HEAT PIPES"

ABSTRACT FROM THE SIXTH ALL-UNION HEAT AND MASS TRANSFER
CONFERENCE, MINSK, USSR, 1980, HEAT TRANSFER - SOVIET
RESEARCH, VOL.13, NO.6, 1981, P.132

024035 1981 HTSR ROUGHSURF
FLOB01L CONDENSATION

ROUGH SURFACES — MASS TRANSFER

- BELLHOUSE;B.J.
"A HIGH-EFFICIENCY MEMBRANE OXYGENATOR"
PLASTICS IN MEDICINE AND SURGERY CONFERENCE, PLASTICS AND RUBBER INSTITUTE, UNIVERSITY OF STRATHCLYDE, GLASGOW, SCOTLAND, SEPT., 1975, PP.18.1-18.8
026011 1975 ** ROUGHSURF
MASSTRAN FLUIDVIB COMPOUNDTECH
- BERGER;F.P. HAU;K.-F.F.-L.
"LOCAL MASS HEAT TRANSFER DISTRIBUTION ON SURFACES ROUGHENED WITH SMALL SQUARE RIBS"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.22, 1979 PP.1645-1656
026013 1979 IJHMT ROUGHSURF
MASSTRAN
- BEGLES;A.E.
"HEAT TRANSFER CHARACTERISTICS OF TURBOTEC TUBING"
HEAT TRANSFER LABORATORY REPORT NO. HTL-24,
ISU-ERI-AMES-81018, IOWA STATE UNIVERSITY, 1980
000085 1980 ISU LITSURVEY
ROUGHSURF EXTENDED SURF 1NATCONV 1FORCECONV
CONDENSATION MASSTRAN
- BRUTSAERT;W.
"A THEORY FOR LOCAL EVAPORATION (OR HEAT TRANSFER) FROM ROUGH AND SMOOTH SURFACES AT GROUND LEVEL"
WATER RESOURCES RESEARCH (USA), VOL.11, 1975, PP.543-550
026009 1975 ** ROUGHSURF
MASSTRAN
- CARNAVOS;T.C.
"SOME RECENT DEVELOPMENTS IN AUGMENTED HEAT EXCHANGE ELEMENTS"
HEAT EXCHANGERS: DESIGN AND THEORY SOURCE BOOK, SCRIPTA BOOK COMPANY, WASHINGTON, D.C. 1974, PP.441-489
000034 1972 ** LITSURVEY
ROUGHSURF FLOBOIL CONDENSATION MASSTRAN
- CHAMBERLAIN;A.C.
"TRANSPORT OF GASES TO AND FROM SURFACES WITH BLUFF AND WAVE-LIKE DISTURBANCES"
QUARTERLY JOURNAL OF THE ROYAL METEOROLOGICAL SOCIETY, VOL.94 1968, PP.318-332
026006 1968 ** ROUGHSURF
MASSTRAN
- DARMONO;R. KUZNETSOV;Y.P.
"HYDRODYNAMICS AND HEAT AND MASS TRANSFER AT MODERATE PRANDTL NUMBERS UNDER CONDITIONS OF TURBULENT FLOW IN PIPES WITH SMOOTH AND ROUGH WALLS"
THEORETICAL FOUNDATIONS OF CHEMICAL ENGINEERING, VOL.14, NO.3, 1980, PP.217-224
022319 1980 ** ROUGHSURF
1FORCECONV MASSTRAN
- DAWSON;D.A. TRASS;O.
"MASS TRANSFER AT ROUGH SURFACES"
INTERNATIONAL JOURNAL OF MASS AND HEAT TRANSFER, VOL.15, 1972, PP.1317-1336
026002 1972 IJHMT ROUGHSURF
MASSTRAN
- DE LA MORA;J.F. FRIEDLANDER;S.K.
"AEROSOL AND GAS DEPOSITION TO FULLY ROUGH SURFACES: FILTRATION MODEL FOR BLADE-SHAPED ELEMENTS"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.25, 1982, PP.1725-1735
026017 1982 IJHMT ROUGHSURF
MASSTRAN
- DRISCOLL;T.J. DORSON;N.J.
"VORTEX AUGMENTATION OF PLASMA AND BLOOD ULTRAFILTRATION"
INTERNATIONAL CONFERENCE ON MEDICAL AND BIOLOGICAL ENGINEERING, VOL.11, 1976, PP.134-135
026012 1976 ** ROUGHSURF
MASSTRAN FLUIDVIB COMPOUNDTECH
- FUJITA;H. TAKAHAMA;H. YABASHI;H.
TAKAGI;K.
"EFFECTS OF WALL ROUGHNESSES ON HEAT AND MASS TRANSFER IN COUNTERCURRENT FLOW OF AIR AND WATER FILM"
HEAT TRANSFER - JAPANESE RESEARCH, VOL.9, NO.1, 1980, PP. 42-53
022181 1980 HTJR ROUGHSURF
1FORCECONV MASSTRAN
- GOLDSTEIN JR.;L. SPARROW;E.M.
"HEAT/MASS TRANSFER CHARACTERISTICS FOR FLOW IN A CORRUGATED WALL CHANNEL"
JOURNAL OF HEAT TRANSFER, VOL.99, 1977, PP.187-195
022156 1977 JHT ROUGHSURF
1FORCECONV MASSTRAN
- HAUSER;S.G. KREID;D.K. JOHNSON;D.M.
"INVESTIGATION OF COMBINED HEAT AND MASS TRANSFER FROM A WET HEAT EXCHANGER. PART 2 - EXPERIMENTAL RESULTS"
ASME-JSME THERMAL ENGINEERING JOINT CONFERENCE PROCEEDINGS, HONOLULU, HAWAII, MARCH 1983, VOL.1, PP.525-535
032336 1983 ** EXTENDED SURF
1FORCECONV ROUGHSURF MASSTRAN
- HUGHMARK;G.A.
"TURBULENT HEAT AND MASS TRANSFER FROM ROUGH SURFACES"
AMERICAN INSTITUTE OF CHEMICAL ENGINEERS JOURNAL, VOL.18, 1972, PP.667-668
022097 1972 AICHEJ ROUGHSURF
1FORCECONV MASSTRAN
- KADER;B.A. YAGLOM;A.M.
"TURBULENT HEAT AND MASS TRANSFER FROM A WALL WITH PARALLEL ROUGHNESS RIDGES"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.20, 1977, PP.345-358
022155 1977 IJHMT ROUGHSURF
1FORCECONV MASSTRAN
- KATTCHIE;N. MACKIEWICZ;W.V.
"ARMY GAS-COOLED REACTOR SYSTEMS PROGRAM MASS TRANSFER ANALOGY STUDIES OF SHAPED TURBULENCE PROMOTER PERFORMANCE"
AEROJET GENERAL NUCLEONICS REPORT AN-AGCR-919, 1965
026010 1965 ** ROUGHSURF
MASSTRAN
NHC
- KHARIN;V.F. NIKOLAEV;N.A. NIKOLAEV;A.M.
"INCREASING MASS TRANSFER IN THE LIQUID PHASE IN THE PRESENCE OF ARTIFICIAL ROUGHNESS"
INTERNATIONAL CHEMICAL ENGINEERING, VOL.12, 1972, PP.229-231
026004 1972 ICE ROUGHSURF
MASSTRAN
- KNUDSEN;J.G. MC CLUER;H.K.
"HARD-WATER SCALING OF FINNED TUBES AT MODERATE TEMPERATURES"
CHEMICAL ENGINEERING PROGRESS SYMPOSIUM SERIES, VOL.55, NO.29, 1959, PP.1-4
022119 1959 CEPSS ROUGHSURF
1FORCECONV MASSTRAN
- KOZIOLO;K. BRONIAZ;L. NOWICKA;T.
"INFLUENCE OF SURFACE ROUGHNESS ON LIQUID/GAS MATERIAL EXCHANGE"
CHEMIE-INGENIEUR-TECHNIK, VOL.51, NO.9, 1979, P.897
026014 1979 ** ROUGHSURF
MASSTRAN CONDENSATION POOLBOIL
- MAHATO;B.K. SHERMILT;L.W.
"EFFECT OF SURFACE ROUGHNESS ON MASS TRANSFER"
CHEMICAL ENGINEERING SCIENCE, VOL.23, 1968, PP.183-185
026001 1968 CES ROUGHSURF
MASSTRAN
- MIYASHITA;H. TAKAYANAGI;A. SHIOMI;Y.
WAKABAYASHI;K.
"FLOW BEHAVIOUR AND AUGMENTATION OF MASS TRANSFER RATES IN A RECTANGULAR DUCT WITH A TURBULENCE PROMOTER"
INTERNATIONAL CHEMICAL ENGINEERING, VOL.21, 1981, PP.646-651
026015 1980 ICE ROUGHSURF
MASSTRAN
- MOALEM-MARON;D. SIDEMAN;S. HORN;H.

"ENHANCED FILM MASS TRANSFER ON GROOVED HORIZONTAL CONDUITS"
 CHEMICAL ENGINEERING SCIENCE, VOL.34, 1979, PP.420-425
 026016 1979 CES ROUGHSURF
 MASSTRAN

NIKITIN;I.K.

"APPROXIMATE CALCULATION OF HEAT AND MASS TRANSFER IN THE
 TURBULENT BOUNDARY LAYER OF A SURFACE WITH ARBITRARY
 ROUGHNESS PROPERTIES"
 HEAT TRANSFER - SOVIET RESEARCH, VOL.5, NO.3, 1973,
 PP.106-112
 022182 1973 HTSR ROUGHSURF
 1FORCECONV MASSTRAN

PILIPENKO;V.N.

"HEAT AND MASS TRANSFER IN TURBULENT FLOWS OVER A ROUGH
 SURFACE"
 HEAT TRANSFER - SOVIET RESEARCH, VOL.9, NO.4, 1977, PP.78-82
 022239 1977 HTSR ROUGHSURF
 1FORCECONV MASSTRAN

ROSENBLAD;G.

KULLENDORF;A.

"ESTIMATING HEAT TRANSFER RATES FROM MASS TRANSFER STUDIES
 ON PLATE HEAT EXCHANGER SURFACES"
 WAERME- UND STOFFUEBERTRAGUNG, VOL.8, 1975, PP.187-191
 032149 1975 ** EXTENDED SURF
 1FORCECONV ROUGHSURF MASSTRAN

SEDAHMED;G.H.

SHEMILT;L.W.

"FORCED CONVECTION MASS TRANSFER AT ROUGH SURFACES IN
 ANNULI"
 LETTERS IN HEAT AND MASS TRANSFER, VOL.3, 1976, PP.499-512
 026007 1977 LHMT ROUGHSURF
 MASSTRAN

SHERONY;D.

"ANALYTICAL INVESTIGATION OF HEAT AND MASS TRANSFER AND
 FRICTION FACTORS IN A CORRUGATED DUCT HEAT OR MASS
 EXCHANGER"
 INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.13,
 1970, PP.145-159
 026003 1970 IJHMT ROUGHSURF
 MASSTRAN

SPARROW;E.M.

KALEJS;J.P.

"LOCAL CONVECTIVE TRANSFER COEFFICIENTS IN A CHANNEL
 DOWNSTREAM OF A PARTIALLY CONSTRICTED INLET"
 INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.20,
 1977, PP.1241-1249
 022063 1977 IJHMT ROUGHSURF
 1FORCECONV MASSTRAN

VERMA;S.B.

CERMAK;J.E.

"MASS TRANSFER FROM AERODYNAMICALLY ROUGH SURFACES"
 INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.17,
 1974, PP.567-579
 026008 1974 IJHMT ROUGHSURF
 MASSTRAN

EXTENDED SURFACES - NATURAL CONVECTION

- AIHARA;T.
"NATURAL CONVECTION HEAT TRANSFER FROM VERTICAL RECTANGULAR
-FIN ARRAYS"
BULLETIN OF THE JAPAN SOCIETY OF MECHANICAL ENGINEERS, VOL.
14, 1971, PP.818-828
031002 1971 ** EXTENDED SURF
1 NATCONV
- BAR-COHEN;A.
"FIN THICKNESS FOR AN OPTIMIZED NATURAL CONVECTION ARRAY OF
RECTANGULAR FINS"
JOURNAL OF HEAT TRANSFER, VOL.101, 1979, PP.564-566
031013 1979 JHT EXTENDED SURF
1 NATCONV
- BERGLES;A.E.
"HEAT TRANSFER CHARACTERISTICS OF TURBOTEC TUBING"
HEAT TRANSFER LABORATORY REPORT NO. HTL-24,
ISU-ERI-AMES-81018, IOWA STATE UNIVERSITY, 1980
000085 1980 ISU LITSURVEY
ROUGH SURF EXTENDED SURF 1 NATCONV 1 FORCECONV
CONDENSATION MASSTRAN
- EL-RIDI;M.K. CHUMAK;I.G. KALININ;L.G.
"FREE-CONVECTION HEAT AND MASS TRANSFER ON FINNED TUBES"
HEAT TRANSFER - SOVIET RESEARCH, VOL.8, NO.1, 1976, PP.33-36
031006 1977 HTSR EXTENDED SURF
1 NATCONV
- ELMAHDY;A.H. BIGGS;R.C.
"EFFICIENCY OF EXTENDED SURFACES WITH SIMULTANEOUS HEAT
AND MASS TRANSFER"
ASHRAE TRANSACTIONS, VOL.89, PT.1A, 1983, PP.135-143
032330 1983 ASHRAET EXTENDED SURF
1 FORCECONV 1 NATCONV MASSTRAN
- GOENFLO;D.
"ZUM WAERMEUEBERGANG BEI DER BLASEN VERDAMPFUNG AN
RIPPENROHREN"
DISS. TECHNISCHE HOCHSCHULE, KARLSRUHE, 1966
033022 1966 ** EXTENDED SURF
POOLBOIL 1 NATCONV
- JONES;C.D. SMITH;L.F.
"OPTIMUM ARRANGEMENT OF RECTANGULAR FINS ON HORIZONTAL
SURFACES FOR FREE-CONVECTION HEAT TRANSFER"
JOURNAL OF HEAT TRANSFER, VOL.92, 1970, PP.6-10
031001 1970 JHT EXTENDED SURF
1 NATCONV
- KROKHIN;Y.I. KULIKOV;A.S.
"EXPERIMENTAL STUDY OF BOILING HEAT TRANSFER TO LIQUID
NITROGEN OR HELIUM IN CAPILLARY-POROUS BODIES"
HEAT TRANSFER - SOVIET RESEARCH, VOL.10, NO.6, 1978, PP.
141-146
031015 1979 HTSR EXTENDED SURF
1 NATCONV
- KRYUKOV;Y.V. BOYKOV;G.P.
"AUGMENTATION OF HEAT TRANSFER IN AN ACOUSTIC FIELD"
HEAT TRANSFER - SOVIET RESEARCH, VOL.5, NO.1, 1973, PP.26-28
112072 1973 HTSR FLUIDVIB
1 FORCECONV EXTENDED SURF COMPOUNDTECH 1 NATCONV
- LEVY;E.K.
"OPTIMUM PLATE SPACING FOR LAMINAR NATURAL CONVECTION HEAT
TRANSFER FROM PARALLEL VERTICAL ISOTHERMAL FLAT PLATES"
JOURNAL OF HEAT TRANSFER, VOL.93, 1971, PP.463-465
031004 1971 JHT EXTENDED SURF
1 NATCONV
- NAG;P.K. BHATTACHARYA;A.
"EFFECT OF VIBRATION ON NATURAL CONVECTION HEAT TRANSFER
FROM VERTICAL FIN ARRAYS"
LETTERS IN HEAT AND MASS TRANSFER, VOL.9, NO.6, 1982,
PP.487-498
101048 1982 LHMT SURFVIB
1 NATCONV EXTENDED SURF
- RAZELOS;P.
"A NOTE ON THE HEAT TRANSFER IN CONVECTIVE FINS"
WAERME-UND STOFFUEBERTRAGUNG, VOL.12, NO.2, 1979, PP.113-119
031014 1979 ** EXTENDED SURF
1 NATCONV
- RAZELOS;P.
"THE OPTIMUM DIMENSIONS OF CONVECTIVE PIN FINS"
JOURNAL OF HEAT TRANSFER, VOL.105, 1983, PP.411-413
032346 1983 JHT EXTENDED SURF
1 FORCECONV 1 NATCONV
- SCHWIND;H. WOLFF;D. BROSE;J.
"UEBER DIE VERWENDUNG VON QUERBERIPPTEN ROHREN IN
LATENTWAERMESPEICHERN"
VT VERFAHRENSTECHNIK, VOL.12, 1978, PP.729-734
031011 1978 ** EXTENDED SURF
1 NATCONV
- SHCHERBAKOV;V.K. SEMENA;M.G.
"INVESTIGATION OF TEMPERATURE DISTRIBUTIONS IN TUBES WITH
INTERNAL FINS"
THERMAL ENGINEERING, VOL.19, NO.1, 1972, PP.46-49
031003 1972 TENG EXTENDED SURF
1 NATCONV
- SPARROW;E.M. PRAKASH;C.
"ENHANCEMENT OF NATURAL CONVECTION HEAT TRANSFER BY A
STAGGERED ARRAY OF DISCRETE VERTICAL PLATES"
JOURNAL OF HEAT TRANSFER, VOL.102, 1980, PP.215-220
031007 1980 JHT EXTENDED SURF
1 NATCONV
- SPARROW;E.M. BAHRAMI;P.A.
"EXPERIMENTS ON NATURAL CONVECTION HEAT TRANSFER ON THE FINS
OF A FINNED HORIZONTAL TUBE"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.23,
1980, PP.1555-1560
031012 1980 IJHMT EXTENDED SURF
1 NATCONV
- SPARROW;E.M. CHARMCHI;M.
"LAMINAR HEAT TRANSFER IN AN EXTERNALLY FINNED CIRCULAR
TUBE"
JOURNAL OF HEAT TRANSFER, VOL.102, 1980, PP.605-611
031017 1980 JHT EXTENDED SURF
1 NATCONV
- SPARROW;E.M. COOK;D.S. CHRYSLER;G.M.
"HEAT TRANSFER BY NATURAL CONVECTION FROM AN ARRAY OF
SHORT, WALL-ATTACHED HORIZONTAL CYLINDERS"
JOURNAL OF HEAT TRANSFER, VOL.104, 1982, PP.125-131
031018 1982 JHT EXTENDED SURF
1 NATCONV
- UPMALIS;A.
"LEISTUNGSVERMOEGEN DER FAECHERRIPPENROHRE UND DER ROHRE MIT
GLATTEN RUNDEN RIPPEN"
WAERME, VOL.85, NO.1, 1979, PP.11-13
031016 1979 ** EXTENDED SURF
1 NATCONV
- WIEBELT;J.A. HENDERSON;J.B. PARKER;J.D.
"FREE CONVECTION HEAT TRANSFER FROM THE OUTSIDE OF RADIAL
FIN TUBES"
HEAT TRANSFER ENGINEERING, VOL.1, NO.4, 1980, PP. 53-59
031005 1980 HTE EXTENDED SURF
1 NATCONV
- ZELAZNY;J. KULESZA;J.
"THE EFFECT OF LOW SPIRAL FIN ON THE COEFFICIENT SURFACE
FILM CONDUCTION FOR A HORIZONTAL TUBE AT FREE FLUID FLOW"
ZESZYT NAUKOWE POLITEHNIKI LODZKIEJ, NR.306, MECHANIKA, 2.53,
1978, PP.83-101
031008 1978 ** EXTENDED SURF
1 NATCONV
- ZGURSKAYA;G.N.
"METHOD AND TECHNIQUE OF EXPERIMENTAL STUDY OF HEAT TRANSFER
FROM FINNED TUBES TO LIQUID AT NATURAL CONVECTION"
PROBLEMS OF ENGINEERING THERMAL PHYSICS, VYP.6, KIEV,
1976, PP.48-51
031009 1976 ** EXTENDED SURF
1 NATCONV

EXTENDED SURFACES — FORCED CONVECTION

- ABOUL-ENEIN;S. ABHAT;A.
"EXPERIMENTAL INVESTIGATION AND ANALYSIS OF HEAT TRANSFER IN
A NOVEL FINNED ANNULUS HEAT EXCHANGER FOR HEAT-OF-FUSION
STORAGE APPLICATIONS"
PAPER PRESENTED AT SECOND WORLD CONGRESS OF CHEMICAL
ENGINEERING AND WORLD CHEMICAL EXPOSITION, MONTREAL, CANADA,
OCTOBER 1981
032277 1981 ** EXTENDED SURF
1FORCECONV
NHC
- ACKERMAN;J.W. BRUNSVOLD;A.R.
"HEAT TRANSFER AND DRAFT LOSS PERFORMANCE OF EXTENDED
SURFACE TUBE BANKS"
JOURNAL OF HEAT TRANSFER, VOL.92, 1970, PP.215-220
032019 1970 JHT EXTENDED SURF
1FORCECONV
- ALEKSANDROV;A.M.
"HEAT TRANSFER IN A HIGH-TEMPERATURE FINNED-SURFACE RECUP-
ERATOR"
HEAT TRANSFER - SOVIET RESEARCH, VOL. 8, NO. 6, 1976, PP.
127-134
032232 1976 HTSR EXTENDED SURF
1FORCECONV
- ANASHKIN;O.P. KEILIN;V.E. PATRIKEEV;V.M.
"COMPACT HIGH EFFICIENCY PERFORATED-PLATE HEAT EXCHANGERS
(IN HELIUM REFRIGERATORS)"
CRYOGENICS, VOL.16, 1976, PP.437-439
032176 1976 ** EXTENDED SURF
1FORCECONV
- ANONYMOUS
"CALDER HALL HEAT TRANSFER"
NUCLEONICS, VOL.14, 1956, PP.516-518
032046 1956 ** EXTENDED SURF
ROUGH SURF 1FORCECONV
- ANONYMOUS
"ENHANCED HEAT TRANSFER TUBES FOR SEAWATER DISTILLATION
(DESALINATION)"
TECHNICAL BULLETIN NO.17, YORKSHIRE IMPERIAL METALS LIMITED,
LEEDS, ENGLAND, AUGUST, 1973
035052 1973 ** EXTENDED SURF
CONDENSATION ROUGH SURF 1FORCECONV FLOBOIL
- ANONYMOUS
"HEAT-TRANSFER COEFFICIENTS OF PIN-FINNED CYLINDERS"
NASA TECH BRIEF, NTN-77/0838, LEW-12557, 1976
032208 1976 ** EXTENDED SURF
1FORCECONV
- ANONYMOUS
"ULTRA-HIGH FLUX HEAT EXCHANGER"
NASA TECH BRIEF B69-10201, 1969
032231 1969 NASA EXTENDED SURF
1FORCECONV
- BALL JR.;S.F.
"EXPERIMENTAL DETERMINATION OF HEAT TRANSFER AND FLOW
FRICTION CHARACTERISTICS FOR SEVERAL PLATE FIN TYPE COMPACT
HEAT EXCHANGER SURFACES"
AU-488 503, 1966
032162 1966 ** EXTENDED SURF
1FORCECONV
NHC
- BANIN;O.A.
"HEAT TRANSFER AND HYDRAULIC RESISTANCE OF CALORIFIERS WITH
WOUND-ON-FINS"
IZVESTIYA V.U.Z., ENERGETIKA. NO.8, 1960, PP.98-101
PP.98-101
032257 1960 ** EXTENDED SURF
1FORCECONV
- BARNA;P.S.
"THE HEAT TRANSFER PERFORMANCE OF LOUVER SURFACES AND THEIR
APPLICATION TO AIRCRAFT INTERCOOLERS"
AUSTRALIAN COUNCIL FOR AERONAUTICS REPORT ACA-22, MARCH 1946
032064 1946 ** EXTENDED SURF
1FORCECONV
- BARTEL;W.J. GENETTI;W.E. GRIMMETT;E.S.
"HEAT TRANSFER FROM A HORIZONTAL DISCONTINUOUS FINNED TUBE
IN A FLUIDIZED BED"
AIChE SYMPOSIUM SERIES NO. 116, VOL.67, 1971, PP.85-89
082094 1971 AIChE ADD FOR GASES
EXTENDED SURF 1FORCECONV COMPOUND TECH
- BARTEL;W.J. GENETTI;W.E.
"HEAT TRANSFER FROM A HORIZONTAL BUNDLE OF BARE AND FINNED
TUBES IN AN AIR FLUIDIZED BED"
AIChE SYMPOSIUM SERIES NO. 128, VOL.69, 1973, PP.85-93
082095 1973 AIChE ADD FOR GASES
EXTENDED SURF 1FORCECONV COMPOUND TECH
- BASIULIS;A. PLOST;M.
"WASTE HEAT UTILIZATION THROUGH THE USE OF HEAT PIPES"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.
75-WA/HT-48, 1975
062001 1975 ASME EXTENDED SURF
1FORCECONV
- BASKERVILLE;J.E. ROBINSON;T.R. ROHSENOW;W.M.
"PERFORMANCE RANKING OF CROSSFLOW FINNED TUBULAR HEAT
EXCHANGER SURFACES"
ASME-JSME THERMAL ENGINEERING JOINT CONFERENCE PROCEEDINGS,
HONOLULU, HAWAII, MARCH 1983, VOL.2, PP.379-385
150067 1983 ** PERFORMANCE
EXTENDED SURF 1FORCECONV
- BEJAN;A.
"A PARAMETRIC ANALYSIS OF THE PERFORMANCE OF INTERNALLY
FINNED TUBES FOR HEAT EXCHANGER APPLICATION"
JOURNAL OF HEAT TRANSFER, VOL.102, 1980, PP.586-587
032298 1980 JHT EXTENDED SURF
1FORCECONV PERFORMANCE
- BELOBORODOV;V.G. VOLGIN;B.P.
"HEAT TRANSFER AND PRESSURE DROP IN HEAT TRANSFER EQUIPMENT
WITH SLOT CHANNELS OF VARYING CROSS SECTION"
INTERNATIONAL CHEMICAL ENGINEERING, VOL.11, NO.2, 1971
PP.229-232
032200 1971 ICE EXTENDED SURF
1FORCECONV
- BENFORADO;D.M. PALMER;J.
"WIRE LOOP FINNED SURFACE - A NEW APPLICATION (HEAT SINK FOR
SILICON RECTIFIERS)"
CHEMICAL ENGINEERING PROGRESS SYMPOSIUM SERIES, VOL.61, NO.
57, 1965, PP.315-321
032227 1965 CEPSS EXTENDED SURF
1FORCECONV
- BENTLEY;J.M. SNYDER;T.K. GLICKSMAN;L.R.
ROHSENOW;W.M.
"AN EXPERIMENTAL AND ANALYTICAL STUDY OF A UNIQUE WET/DRY
SURFACE FOR COOLING TOWERS"
JOURNAL OF HEAT TRANSFER, VOL.100, 1978, PP.520-526
142010 1978 JHT COMPOUND TECH
1FORCECONV EXTENDED SURF ADD FOR GASES
- BERGLES;A.E. BROWN JR.;G.S. LEE;R.A.
SIMONDS;R.R. SNIDER;W.D.
"INVESTIGATION OF HEAT TRANSFER AUGMENTATION THROUGH USE
OF INTERNALLY FINNED AND ROUGHENED TUBES (FINAL REPORT)"
MASSACHUSETTS INSTITUTE OF TECHNOLOGY ENGINEERING PROJECTS
LABORATORY REPORT NO.70790-69, 1969
032014 1969 MIT EXTENDED SURF
ROUGH SURF 1FORCECONV
- BERGLES;A.E. BROWN JR.;G.S. SNIDER;W.D.
"HEAT TRANSFER PERFORMANCE OF INTERNALLY FINNED TUBES"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.
71-HT-31, 1971
032020 1971 ASME EXTENDED SURF
1FORCECONV
- BERGLES;A.E.
"HEAT TRANSFER CHARACTERISTICS OF TURBOTEC TUBING"
HEAT TRANSFER LABORATORY REPORT NO. HTL-24,
ISU-ERI-AMES-81018, IOWA STATE UNIVERSITY, 1980
000085 1980 ISU LITSURVEY

ROUGH SURF EXTENDED SURF 1 NAT CONV 1 FORCE CONV
CONDENSATION MASSTRAN

BERGLES; A.E.
"LAMINAR FLOW HEAT TRANSFER IN HORIZONTAL TUBES UNDER NORMAL AND AUGMENTED CONDITIONS"
HEAT TRANSFER LABORATORY REPORT HTL-11, ISU-ERI-AMES-77179,
IOWA STATE UNIVERSITY, DECEMBER, 1975
032083 1975 ISU EXTENDED SURF
DISPENS DEVICE 1 FORCE CONV

BERMAN; Y.A. MAN'KOVSKII; O.N. RAFALOVICH; A.P.
"THE OPTIMAL VALUE OF THE FINNING FACTOR FOR A PLATE-FIN HEAT-TRANSFER SURFACE"
ABSTRACTED IN THERMAL ENGINEERING, VOL. 29, NO. 3, 1982, P. 175
032352 1982 TENG EXTENDED SURF
1 FORCE CONV

BIERY; J.C.
"PREDICTION OF HEAT TRANSFER COEFFICIENTS IN GAS FLOW NORMAL TO FINNED AND SMOOTH TUBE BANKS"
JOURNAL OF HEAT TRANSFER, VOL. 103, 1981, PP. 705-714
032283 1981 JHT EXTENDED SURF
1 FORCE CONV

BOGAERTS; C. MEYER; P.
"DIE BERECHNUNG UND MESSUNG DES TEMPERATURVERLAUFS IN WAERMEUEBERTRAGUNGSRIPPEN"
INGENIEUR, VOL. 2, NO. 7, 1931, PP. 237-244
032258 1931 ** EXTENDED SURF
1 FORCE CONV

BOTT; T.R. BEMROSE; C.R.
"PARTICULATE FOULING ON THE GAS-SIDE OF FINNED TUBE EXCHANGERS"
FOULING IN HEAT EXCHANGE EQUIPMENT, HTD-VOL. 17, ASME, NEW YORK, 1981, PP. 83-88
032279 1981 ** EXTENDED SURF
1 FORCE CONV MASSTRAN

BRAUER; H.
"HEAT TRANSFER AND PRESSURE DROP WITH TRANSVERSE FLOW ACROSS FINNED-TUBE BUNDLE"
CHEMIE INGENIEUR TECHNIK, VOL. 33, 1961, PP. 327-335
032055 1961 ** EXTENDED SURF
1 FORCE CONV

BRAUER; H.
"COMPACT HEAT EXCHANGERS"
CHEMICAL AND PROCESS ENGINEERING, AUGUST 1964, PP. 451-460
032125 1964 CPE EXTENDED SURF
1 FORCE CONV

BRAUER; H.
"TESTS ON CROSS-FLOW HEAT EXCHANGERS WITH TUBES OF DIFFERENT SHAPES"
MITT. VEREINIGUNG DER GROSSKESSELBESITZER (VGB), AUG. 1961, PP. 260-276
032116 1961 ** EXTENDED SURF
1 FORCE CONV

BRAUER; H.
"WAERME-UND STROEMUNGSTECHISCHE UNTERSUCHUNGEN AN QUER ANGESTROMTEN RIPPENROHRENDEN, TEIL 2: EINFLUSS DER RIPPEN- UND DER ROHRANORDNUNG"
CHEMIE INGENIEUR TECHNIK, VOL. 33, 1961, PP. 431-438
032166 1961 ** EXTENDED SURF
1 FORCE CONV

BRIGGS; D. KATZ; D.L. YOUNG; E.H.
"HOW TO DESIGN FINNED-TUBE HEAT EXCHANGERS"
CHEMICAL ENGINEERING PROGRESS, VOL. 59, NO. 11, 1963, PP. 49-59
032038 1963 CEP EXTENDED SURF
1 FORCE CONV

BRIGGS; D.E. YOUNG; E.H.
"CONVECTION HEAT TRANSFER AND PRESSURE DROP OF AIR FLOWING ACROSS TRIANGULAR PITCH BANKS OF FINNED TUBES"
CHEMICAL ENGINEERING PROGRESS SYMPOSIUM SERIES, VOL. 41, NO. 59, 1963, PP. 1-10
032112 1963 CEPSS EXTENDED SURF

1 FORCE CONV

BUGLAYEV; V.T. KARKUZEVICH; B.M.
"HEAT TRANSFER AND SURFACE FRICTION OF A TRANSVERSELY-FINNED TUBE BUNDLE"
HEAT TRANSFER-SOVIET RESEARCH, VOL. 2, NO. 3, 1970, PP. 97-101
032047 1970 HTSR EXTENDED SURF
1 FORCE CONV

CALLINAN; J.P. BURFORD; D.L.
"THE ANALYSIS OF FINNED CATALYTIC HEAT EXCHANGERS"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO. 77-HT-67, 1977
032212 1977 ASME EXTENDED SURF
1 FORCE CONV

CARNAVOS; T.C.
"COOLING AIR IN TURBULENT FLOW WITH INTERNALLY FINNED TUBES"
HEAT TRANSFER ENGINEERING, VOL. 1, NO. 2, 1979, PP. 41-46
032095 1979 ** EXTENDED SURF
1 FORCE CONV

CARNAVOS; T.C.
"COOLING AIR IN TURBULENT FLOW WITH MULTIPASSAGE INTERNALLY FINNED TUBES"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO. 78-WA/HT-52, 1978
032228 1978 ASME EXTENDED SURF
1 FORCE CONV

CHEBULAEV; V.V. BARANENKO; V.D. RAMENSKII; M.I.
PICHUEV; A.M. BONDAREV; A.I.
"USE OF TUBES WITH INTERNAL LONGITUDINAL FINS FOR THE SUPERHEATER OF THE PK-24 BOILER"
THERMAL ENGINEERING, VOL. 20, NO. 1, 1973, PP. 13-16
032050 1973 TENG EXTENDED SURF
1 FORCE CONV

CHEBULAEV; V.V. BARANENKO; V.D.
"EFFECTIVENESS OF USING TUBES HAVING INTERNAL LONGITUDINAL FINS FOR THE PK-24 BOILER REHEATER"
THERMAL ENGINEERING, VOL. 17, NO. 1, 1970, PP. 29-34
032065 1970 TENG EXTENDED SURF
1 FORCE CONV

CHEERS; F. LILEY; J.N.
"HEAT TRANSFER FROM SLOTTED FINNED TUBES"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL. 2, 1961, PP. 259-261
032114 1961 IJHMT EXTENDED SURF
1 FORCE CONV

CHEN; D.T.-W.
"FLOW AND HEAT TRANSFER IN INTERNALLY FINNED TUBES OF NON-CIRCULAR CROSS-SECTION"
PH.D. DISSERTATION, STATE UNIVERSITY OF NEW YORK AT BUFFALO, 1974
032150 1974 ** EXTENDED SURF
1 FORCE CONV

CHEN; J.C.
"HEAT TRANSFER TO TUBES IN FLUIDIZED BEDS"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO. 76-HT-75, 1976
082087 1976 ASME ADD FOR GASES
EXTENDED SURF 1 FORCE CONV

CHEN; J.C. WITHERS; J.G.
"AN EXPERIMENTAL STUDY OF HEAT TRANSFER FROM PLAIN AND FINNED TUBES IN FLUIDIZED BEDS"
AMERICAN INSTITUTE OF CHEMICAL ENGINEERS PAPER NO. 34 FOR FIFTEENTH NATIONAL HEAT TRANSFER CONFERENCE, SAN FRANCISCO, 1975
142007 1975 AIChE COMPOUND TECH
1 FORCE CONV EXTENDED SURF ADD FOR GASES

CHIA; W.S.
"HEAT TRANSFER TESTING OF ENHANCED TUBES"
PB-206 453, 1971
032159 1971 ** EXTENDED SURF
1 FORCE CONV

CLARKE;L. WINSTON;R.E.
 "CALCULATION OF FIN SIDE COEFFICIENTS IN LONGITUDINAL FINNED-TUBE EXCHANGERS"
 CHEMICAL ENGINEERING PROGRESS, VOL. 51, 1955, PP. 147-150
 032275 1955 CEP EXTENDED SURF
 1FORCECONV

CLYDE;R.
 "EXTENDED AREA CERAMIC HEAT EXCHANGER"
 PAPER NO. 60D, AMERICAN INSTITUTE OF CHEMICAL ENGINEERS
 85TH NATIONAL MEETING, PHILADELPHIA, JUNE 1978
 032215 1978 AIChE EXTENDED SURF
 1FORCECONV

COLE;W.E. SUO;M.
 "WASTE HEAT RECOVERY: WASTE HEAT RECOVERY WITH FLUIDIZED BED"
 CHEMICAL ENGINEERING PROGRESS, DECEMBER 1979, PP. 38-42
 142024 1978 CEP COMPOUND TECH
 1FORCECONV ADDFORGASES EXTENDED SURF

COOPER;A. SUTOR;J.W. USHER;J.D.
 "COOLING WATER FOULING IN PLATE HEAT EXCHANGERS"
 HEAT TRANSFER 1978, VOL. 4, HEMISPHERE PUBLISHING COMPANY,
 WASHINGTON, D.C., 1978, PP. 403-406
 032220 1978 VIIHTC EXTENDED SURF
 1FORCECONV MASSTRAN

COSIER;J. CROFT;A.J.
 "A NEW FORM OF FINNED-TUBE HEAT EXCHANGER"
 CRYOGENICS, VOL. 10, 1970, PP. 239-240
 032053 1970 ** EXTENDED SURF
 1FORCECONV FLOBOIL

COX;B.
 "HEAT TRANSFER AND PUMPING POWER PERFORMANCE IN TUBE BANKS - FINNED AND BARE"
 AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO. 73-HT-27, 1973
 032088 1973 ASME EXTENDED SURF
 1FORCECONV

COX;B.
 "PERFORMANCE OF COMPACT HEAT TRANSFER SURFACES: FINNED AND BARE TUBE BANKS"
 K-1847, 1973
 032153 1973 ** EXTENDED SURF
 1FORCECONV

COX;B. JALLOUK;P.A.
 "EXPERIMENTAL DETERMINATION OF THE PERFORMANCE CHARACTERISTICS OF EIGHT COMPACT HEAT TRANSFER SURFACES"
 K-1832, 1972
 032158 1972 ** EXTENDED SURF
 1FORCECONV

CROFT;A.J. TEBBY;P.B.
 "THE DESIGN OF FINNED-TUBE CRYOGENIC HEAT EXCHANGERS"
 CRYOGENICS, VOL. 10, 1970, PP. 236-238
 032179 1970 ** EXTENDED SURF
 1FORCECONV

CSATHY;D.
 "HEAT RECOVERY FROM DIRTY GAS"
 PRESENTED AT THE SIXTH NATIONAL ENERGY CONFERENCE ON ENERGY AND THE ENVIRONMENT, PITTSBURGH, PENNSYLVANIA, MAY 1979
 032211 1979 ** EXTENDED SURF
 1FORCECONV

DAVENPORT;C.J.
 "CORRELATIONS FOR HEAT TRANSFER AND FLOW FRICTION CHARACTERISTICS OF LOUVERED FIN"
 AMERICAN INSTITUTE OF CHEMICAL ENGINEERS SYMPOSIUM SERIES, VOL. 79, NO. 225, 1983, PP. 19-27
 032349 1983 AIChES EXTENDED SURF
 1FORCECONV

DAVENPORT;C.J.
 "HEAT TRANSFER AND FLOW FRICTION CHARACTERISTICS OF LOUVERED HEAT EXCHANGER SURFACES"
 HEAT EXCHANGERS: THEORY AND PRACTICE, HEMISPHERE PUBLISHING CORPORATION, WASHINGTON, AND MC GRAW-HILL

BOOK COMPANY, NEW YORK, 1983, PP. 397-412
 032357 1983 ** EXTENDED SURF
 1FORCECONV

DE LORENZO;B. ANDERSON;E.D.
 "HEAT TRANSFER AND PRESSURE DROP OF LIQUIDS IN DOUBLE-PIPE FIN-TUBE EXCHANGERS"
 TRANSACTIONS OF THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS, VOL. 67, 1945, PP. 697-702
 032001 1944 ASME EXTENDED SURF
 1FORCECONV

DOBUD'KO;V.D. KORTIKOV;L.S. AKSEL'ROD;L.S.
 "AN EXPERIMENTAL INVESTIGATION OF HEAT AND MASS TRANSFER IN AN EVAPORATIVE PLATE-FIN HEAT EXCHANGER"
 THERMAL ENGINEERING, VOL. 22, NO. 8, 1975, PP. 126-130
 082084 1975 TENG ADDFORGASES
 EXTENDED SURF 1FORCECONV

DOLGII;A.A. GRINBERG;YA.N. VIVSIK;S.M.
 ZEVI;I.I. FADEEV;E.A. MOSKVICHEV;V.F.
 SVIRIDOVA;N.M. ZHOLUDOV;YA.S. LIPETS;A.U.
 "FINNED HEATING SURFACES FOR BOILERS"
 THERMAL ENGINEERING, VOL. 20, NO. 1, 1973, PP. 6-12
 032045 1973 TENG EXTENDED SURF
 1FORCECONV

DUBROVSKII;E.V. FEDOTOVA;A.J.
 "INVESTIGATION OF HEAT-EXCHANGER SURFACES WITH PLATE FINS"
 HEAT TRANSFER - SOVIET RESEARCH, VOL. 4, NO. 6, 1972, PP. 75-79
 032197 1972 HTSR EXTENDED SURF
 1FORCECONV

DUFFIE;A.E.
 "PLAIN AND EXTENDED SURFACE COPPER ALLOY TUBES"
 CHEMICAL ENGINEERING PROGRESS, VOL. 60, NO. 7, 1964, PP. 47-52
 032026 1964 CEP EXTENDED SURF
 1FORCECONV

DUNKLE;R.V. BANKS;P.J. MACLAINE-CROSS;I.L.
 "WOUND PARALLEL PLATE EXCHANGERS FOR AIR-CONDITIONING APPLICATIONS"
 COMPACT HEAT EXCHANGERS - HISTORY, TECHNOLOGICAL ADVANCEMENT AND MECHANICAL DESIGN PROBLEMS, HTD-VOL. 10, ASME, NEW YORK, 1980, PP. 65-71
 032286 1980 ** EXTENDED SURF
 1FORCECONV MASSTRAN

ECKELS;P.W. RABAS;T.J.
 "A FINNED TUBE HEAT EXCHANGER SIDE SEAL STUDY"
 ADVANCES IN ENHANCED HEAT TRANSFER-1981, HTD VOL. 18, AMERICAN SOCIETY OF MECHANICAL ENGINEERS, NEW YORK, 1981 PP. 43-49
 032265 1981 ASME EXTENDED SURF
 1FORCECONV

ECKELS;P.W. RABAS;T.J.
 "THE EFFECT OF THE FIN SHAPE, FIN ATTACHMENT, AND TRANSVERSE ROW NUMBER ON THE HEAT TRANSFER AND PRESSURE DROP OF TYPICAL AIR-COOLER FINNED TUBES"
 ASME-JSME THERMAL ENGINEERING JOINT CONFERENCE PROCEEDINGS, HONOLULU, HAWAII, MARCH 1983, VOL. 1, PP. 451-459
 032339 1983 ** EXTENDED SURF
 1FORCECONV

ECKELS;P.W. RABAS;T.J.
 "HEAT TRANSFER AND PRESSURE DROP PERFORMANCE OF FINNED TUBE BUNDLES USED IN THE AIR CONDITIONING INDUSTRY"
 ASME-JSME THERMAL ENGINEERING JOINT CONFERENCE PROCEEDINGS, HONOLULU, HAWAII, MARCH 1983, VOL. 1, PP. 443-450
 032340 1983 ** EXTENDED SURF
 1FORCECONV

EDWARDS;F.J. HENRY;T.A. HAYWARD;G.L.
 "THE CHARACTERISTICS OF THE TUBE AND CONTINUOUS PLATE FIN TYPE OF COMPACT HEAT EXCHANGER"
 CONFERENCE ON RECENT DEVELOPMENTS IN COMPACT HIGH DUTY HEAT EXCHANGERS, INSTITUTION OF MECHANICAL ENGINEERS, LONDON, 1973, PP. 53-61
 032005 1973 ** EXTENDED SURF
 1FORCECONV

- EISSENBERG;D.M.
 "THE MULTITUBE CONDENSER TEST"
 SYMPOSIUM ON ENHANCED TUBES FOR DESALINATION PLANTS,
 OFFICE OF SALINE WATER, U.S. DEPARTMENT OF THE INTERIOR,
 1970, PP.155-176
 035053 1970 OSW EXTENDED SURF
 CONDENSATION 1 FORCECONV ROUGHSURF
- EL-WAKIL;M.M.
 "NUCLEAR ENERGY CONVERSION"
 THE AMERICAN NUCLEAR SOCIETY, LAGRANGE PARK, ILLINOIS, 1978
 032288 1978 ** EXTENDED SURF
 1 FORCECONV
- ELLERBROCK;H.H. BIERMAN;A.
 "SURFACE HEAT TRANSFER COEFFICIENTS OF FINNED CYLINDERS"
 NACA REPORT NO.676, APRIL 1939
 032188 1939 NACA EXTENDED SURF
 1 FORCECONV
- ELMAHDY;A.H. BIGGS;R.C.
 "FINNED TUBE HEAT EXCHANGER CORRELATION OF DRY SURFACE HEAT
 TRANSFER DATA"
 ASHRAE TRANSACTIONS, VOL.85, PART 2, 1979, PP.262-273
 032246 1979 ASHRAET EXTENDED SURF
 1 FORCECONV
- ELMAHDY;A.H. BIGGS;R.C.
 "EFFICIENCY OF EXTENDED SURFACES WITH SIMULTANEOUS HEAT
 AND MASS TRANSFER"
 ASHRAE TRANSACTIONS, VOL.89, PT.1A, 1983, PP.135-143
 032330 1983 ASHRAET EXTENDED SURF
 1 FORCECONV 1 NATCONV MASSTRAN
- EPSTEIN;N. SANDHU;K.
 "EFFECT OF UNIFORM FOULING DEPOSIT ON TOTAL EFFICIENCY OF
 EXTENDED HEAT TRANSFER SURFACES"
 HEAT TRANSFER 1978, VOL.4, HEMISPHERE PUBLISHING COMPANY:
 WASHINGTON, D.C., 1978, PP.397-402
 032221 1978 VIIHTC EXTENDED SURF
 1 FORCECONV MASSTRAN
- EVENKO;V.I. SHISHKOV;V.M. KHRAPOV;B.I.
 "GENERALISATION OF HEAT TRANSFER AND RESISTANCE RELATION FOR
 A TUBULAR SURFACE WITH INTERNAL FINS MADE OF A CORRUGATED
 STRIP"
 THERMAL ENGINEERING, VOL.20, NO.6, 1973, PP.71-74
 032090 1973 TENG EXTENDED SURF
 1 FORCECONV
- FELDMAN, JR.;K.T.
 "EXPERIENCE WITH THE HEATING PLANT HEAT RECOVERY SYSTEM AT
 THE UNIVERSITY OF NEW MEXICO"
 AMERICAN SOCIETY OF MECHANICAL ENGINEERS, PAPER NO.
 80-WA/HT-16, 1980
 032278 1980 ASME EXTENDED SURF
 1 FORCECONV PERFORMANCE
- FISCHER;O. BUCHER;K.H.
 "ANALYTICAL AND EXPERIMENTAL THERMAL-HYDRAULIC OPTIMIZA-
 TION OF FINNED TUBE BUNDLE HEAT EXCHANGERS FOR DRY COOLING
 TOWERS"
 HEAT EXCHANGERS, THERMAL-HYDRAULIC FUNDAMENTALS AND
 DESIGN, HEMISPHERE PUBLISHING CORPORATION, WASHINGTON,
 AND MC GRAW-HILL BOOK COMPANY, NEW YORK, 1981, PP.765-777
 032361 1981 ** EXTENDED SURF
 1 FORCECONV
- FORD;J.A. BUTT;S.H.
 "HELICALLY FORMED ENHANCED HEAT EXCHANGER TUBE"
 OFFICE OF SALINE WATER SYMPOSIUM ON ENHANCED
 TUBES FOR DESALINATION PLANTS, MARCH 1969, PP.269-290
 035029 1969 OSW EXTENDED SURF
 CONDENSATION 1 FORCECONV
- FOXALL;D.H. GILBERT;P.T.
 "SELECTING TUBES FOR CPI HEAT EXCHANGERS-I"
 CHEMICAL ENGINEERING, VOL.83, 1976, PP.99-104
 032013 1976 ** EXTENDED SURF
 1 FORCECONV
- FUKUI;S. SAKAMOTO;M.
 "SOME EXPERIMENTAL RESULTS ON HEAT TRANSFER CHARACTERISTIC
 OF AIR COOLED HEAT EXCHANGERS FOR AIR CONDITIONING DEVICES"
 BULLETIN OF THE JAPANESE SOCIETY OF MECHANICAL ENGINEERS,
 VOL.19, NO.138, 1976, PP.1522-1529
 032207 1976 ** EXTENDED SURF
 1 FORCECONV ROUGHSURF COMPOUNDTECH
- FUKUI;T. TAKEUCHI;K.
 "PROGRESS IN ALUMINUM HEAT EXCHANGERS FOR AUTOMOBILE"
 SUMITOMO LIGHT MET. TECHNICAL REPORT, VOL.21, NO.4, 1980,
 PP.45-57
 032301 1980 ** EXTENDED SURF
 1 FORCECONV
- FURBER;B.N. MAC GILLIVRAY;D.A. VIVIAN;W.R.
 "THE DEVELOPMENT OF HIGH PERFORMANCE HEAT TRANSFER SURFACES
 FOR REACTOR FUEL ELEMENTS"
 PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS,
 VOL.181, PART 31, 1966-67, PP.172-180
 022205 1966 PIME EXTENDED SURF
 1 FORCECONV
- GACHILOV;T.S. IVANOVA;V.S. STOICHKOVA;R.I.
 "PROGRESS IN THE DEVELOPMENT OF FINNING FOR FREON DRIVEN
 AIR CONDITIOUNERS"
 KHOLODELNAYA TEKHNIKA, NO.2, 1981, PP.57-60
 032322 1981 ** EXTENDED SURF
 1 FORCECONV
- GANAPATHY;V.
 "CHARTS SIMPLIFY SPIRAL FINNED-TUBE CALCULATIONS"
 CHEMICAL ENGINEERING, VOL.84, 1977, PP.117-122
 032168 1977 ** EXTENDED SURF
 1 FORCECONV SWIRLFLO
- GEBHART;B.
 "FLOW AND HEAT TRANSFER CHARACTERISTICS OF FINNED-TUBE
 EXCHANGERS"
 AMERICAN SOCIETY OF HEATING, REFRIGERATING, AND AIR
 CONDITIONING ENGINEERS JOURNAL, VOL.3, NO.5, 1961, PP.63-69
 AMERICAN SOCIETY OF HEATING, REFRIGERATING, AND AIR
 CONDITIONING ENGINEERS TRANSACTIONS, VOL.67, 1961
 PP.133-153
 032033 1961 ASHRAE EXTENDED SURF
 1 FORCECONV
- GEBHART;B.
 "COMMENT ON"HEAT TRANSFER FROM SLOTTED FINNED TUBES" BY
 F.CHEERS AND J.N.LILEY"
 INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.5, 1962,
 PP.77-78
 032103 1962 IJHMT EXTENDED SURF
 1 FORCECONV
- GEL'PERIN;N.I. AINSHTEIN;V.G. TOSKUBAEV;I.N.
 VASIL'EV;S.K. RYSPAeva;N.S.
 "HEAT TRANSFER BETWEEN A FLUIDIZED BED AND FINNED TUBES"
 OF BINARY MIXTURES ON FINNED SURFACES"
 TR. MOSK. INST. TONKOI KHIM. TEKHNOLO., VOL.4, 1974,
 PP.165-169
 032163 1974 ** EXTENDED SURF
 1 FORCECONV ADDFORGASES
 NHC
- GEL'PERIN;N.I. AINSHTEIN;V.G. TOSKUBAEV;I.N.
 "HEAT EXCHANGE BETWEEN FINNED TUBES AND A FLUIDIZED BED OF
 GRANULAR MATERIAL"
 CHEMISTRY AND TECHNOLOGY OF FUELS AND OILS, VOL.8, 1972,
 PP.697-699
 032219 1972 ** EXTENDED SURF
 1 FORCECONV ADDFORGASES
- GENETTI;W.E. SCHMALL;R.A. GRIMMETT;E.S.

"THE EFFECT OF TUBE ORIENTATION ON HEAT TRANSFER WITH BARE AND FINNED TUBES IN A FLUIDIZED BED"
AMERICAN INSTITUTE OF CHEMICAL ENGINEERS SYMPOSIUM SERIES NO.116, VOL.67, 1971, PP.90-96
082096 1971 AICHE ADDFORGASES
EXTENDED SURF 1FORCECONV

GENETTI;W.E. YURICH;S.P. VANDERHOOF;D.W.
"HEAT TRANSFER FROM VERTICAL FINNED TUBE BUNDLES IN A FLUIDIZED BED"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.80-HT-118, 1980
142025 1980 ASME COMPOUNDTECH
1FORCECONV EXTENDED SURF ADDFORGASES

GENTRY;C.C. SMALL;W.M.
"HEAT TRANSFER AND POWER EXPENDITURE FOR AGITATOR VESSELS HAVING BARE AND FINNED, VERTICAL TUBE BAFFLES"
HEAT TRANSFER 1978, VOL.4, HEMISPHERE PUBLISHING COMPANY: WASHINGTON, D.C., 1978, PP.13-18
142013 1978 VIHTC MECHAID
EXTENDED SURF COMPOUNDTECH 1FORCECONV

GIANOLIO;E. CUTI;F.
"HEAT TRANSFER COEFFICIENTS AND PRESSURE DROP FOR AIR COOLERS WITH DIFFERENT NUMBERS OF ROWS UNDER INDUCED AND FORCED DRAFT"
HEAT TRANSFER ENGINEERING, VOL.3, 1981, NO.1, PP.38-48
032326 1981 HTE EXTENDED SURF
1FORCECONV

GLAZKOV;V.V. GUSEVA;M.D. ZHESTKOV;B.A.
"COMBINED COOLING OF PERFORATED PLATES IN A TURBULENT GAS FLOW"
5TH NATIONAL CONFERENCE ON HEAT AND MASS TRANSFER, MINSK, USSR, 1976, ABSTRACTED IN HEAT AND MASS TRANSFER SOURCEBOOK, SCRIPTA PUBLISHING COMPANY, 1977, PP.330
032183 1976 ** EXTENDED SURF
1FORCECONV

GOLDSTEIN,JR.;L. SPARROW;E.M.
"EXPERIMENTS ON THE TRANSFER CHARACTERISTICS OF A CORRUGATED FIN AND TUBE HEAT EXCHANGER CONFIGURATION"
JOURNAL OF HEAT TRANSFER, VOL.98, 1976, PP.26-34
032085 1976 JHT EXTENDED SURF
1FORCECONV

GOMMERT;L.
"OPTIMIZATION OF THE GEOMETRY OF FINNED TUBES IN CROSS-FLOW WITH REGARD TO HEAT TRANSFER"
VERFAHRENSTECHNIK, VOL.7, NO.4, 1973, PP.109-113
032024 1973 ** EXTENDED SURF
ROUGH SURF 1FORCECONV

GRASS;G. COENEN;F.P.
"SYSTEMATISCHE UNTERSUCHUNGEN UEBER DER WAERMEUEBERGANG UND STROMUNGSWIDERSTAND VON RIPPENROEHREN, EIN BEITRAG ZUR VERWENDUNG VON SPEZIALROEHREN BEI GASGEKUEHLTEN REAKTOREN"
ATOMKERNENERGIE, VOL.4, NO.2, 1959, PP.41-48
032048 1959 ** EXTENDED SURF
1FORCECONV

GREWAL;N.S. SAXENA;S.C.
"HEAT TRANSFER BETWEEN A HORIZONTAL TUBE AND A GAS-SOLID FLUIDIZED BED"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL. 23, 1980, PP. 1505-1519
142021 1980 IJHMT COMPOUNDTECH
1FORCECONV EXTENDED SURF ADDFORGASES

GROEHN;H.G.
"WAERME-UND STROMUNGSTECHNISCHE UNTERSUCHUNGEN AN EINEM QUERDURCHSTROMTEN ROHRBUENDEL-WAERMEAUSTAUSCHER MIT NIEDRIG BERIPPTEN ROEHREN BEI GROSSEN REYNOLDS-ZAHLEN"
KERNFORSCHUNGSANLAGE JUELICH GMBH, JUEL-1462, OCTOBER 1977
032216 1977 ** EXTENDED SURF
1FORCECONV

GUNTER;A.Y. SHAW;W.A.
"HEAT TRANSFER, PRESSURE DROP, AND FOULING RATES OF LIQUIDS FOR CONTINUOUS AND NONCONTINUOUS LONGITUDINAL FINNS"
TRANSACTIONS OF THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS

VOL. 64, 1942, PP. 795-804
032266 1942 ASME EXTENDED SURF
1FORCECONV

GUTAREV;V.V. KIPRIKOV;V.A. OGANESYAN;L.S.
"INVESTIGATION OF THE HEAT TRANSFER AND HYDRAULIC RESISTANCE OF A SURFACE WITH LONGITUDINALLY CORRUGATED FINNS"
INTERNATIONAL CHEMICAL ENGINEERING, VOL.8, 1968, PP.319-322
032012 1968 ICE EXTENDED SURF
1FORCECONV

HABERSKI;R.J. RACO;R.J.
"ENGINEERING ANALYSIS AND DEVELOPMENT OF AN ADVANCED TECHNOLOGY LOW COST DRY COOLING TOWER HEAT TRANSFER SURFACE"
CURTISS-WRIGHT CORPORATION, REPORT NO.C00-2774-1, 1976
032191 1976 ** EXTENDED SURF
1FORCECONV

HASHIZUME;K.
"HEAT TRANSFER AND PRESSURE DROP CHARACTERISTICS OF FINNED TUBES IN CROSS FLOW"
HEAT TRANSFER ENGINEERING, VOL.3, NO.2, 1981, PP.15-20
032299 1981 HTE EXTENDED SURF
1FORCECONV

HASSBERGER;J.A. ROMSOS;W.N. THORNE;W.L.
WIEMAN;R.W.
"PERFORMANCE IMPROVEMENT METHOD FOR LARGE, LONGITUDINALLY PITCHED, FINNED TUBE AIR HEAT EXCHANGERS"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.77-WA/NE-8 1977
032213 1977 ASME EXTENDED SURF
1FORCECONV

HAUSER;S.G. KREID;D.K. JOHNSON;D.M.
"INVESTIGATION OF COMBINED HEAT AND MASS TRANSFER FROM A WET HEAT EXCHANGER. PART 2 - EXPERIMENTAL RESULTS"
ASME-JSME THERMAL ENGINEERING JOINT CONFERENCE PROCEEDINGS, HONOLULU, HAWAII, MARCH 1983, VOL.1, PP.525-535
032336 1983 ** EXTENDED SURF
1FORCECONV ROUGH SURF MASSTRAN

HEDDERICH;C.P. KELLEHER;M.D. VANDERPLAATS;G.N.
"DESIGN AND OPTIMIZATION OF AIR COOLED HEAT EXCHANGERS"
REGENERATIVE AND RECUPERATIVE HEAT EXCHANGERS, HTD-VOL.21, ASME, NEW YORK, 1981, PP. 1-10
032284 1981 ** EXTENDED SURF
1FORCECONV

HEDDERICH;C.P. KELLEHER;M.D. VANDERPLAATS;G.N.
"DESIGN AND OPTIMIZATION OF AIR-COOLED HEAT EXCHANGERS"
JOURNAL OF HEAT TRANSFER, VOL.104, 1982, PP.683-690
032319 1982 JHT EXTENDED SURF
1FORCECONV

HEEREN;H. WEGSCHEIDER;J.J.
"INTERNALLY FINNED TUBES. A DESIGN TOOL TO IMPROVE CONDENSER PERFORMANCE"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO. 67-WA/HT-2, 1967
032010 1967 ASME EXTENDED SURF
1FORCECONV

HICEREN;H. HOLLY;L.
"DRY COOLING ELIMINATES THERMAL POLLUTION - II"
COMBUSTION, NOVEMBER 1972, PP.17-28
032022 1972 ** EXTENDED SURF
1FORCECONV

HEGGS;P.J. STONES;P.R.
"THE EFFECTS OF DIMENSIONS ON THE HEAT FLOWRATE THROUGH EXTENDED SURFACES"
JOURNAL OF HEAT TRANSFER, VOL.102, NO.1, 1980, PP.180-182
032295 1980 JHT EXTENDED SURF
1FORCECONV

HEGGS;P.J. STONES;P.R.
"IMPROVED DESIGN METHODS FOR FINNED TUBE HEAT EXCHANGERS"
TRANSACTIONS OF THE INSTITUTION OF CHEMICAL ENGINEERS, VOL. 58, NO.3, 1980, PP.147-154
032296 1980 ** EXTENDED SURF
1FORCECONV

- HEGGS;P.J. STONES;P.R.
"THE EFFECTS OF NON-UNIFORM HEAT TRANSFER COEFFICIENTS
IN THE DESIGN OF FINNED TUBE AIR-COOLED HEAT EXCHANGERS"
HEAT TRANSFER 1982, VOL.6, HEMISPHERE PUBLISHING COMPANY,
WASHINGTON, D.C., 1982, PP.209-215
032311 1982 VIIHTC EXTENDED SURF
1FORCECONV
- HENRY;R.J.
"AVERAGE HEAT TRANSFER COEFFICIENTS FROM PLASMA GASES TO AN
INTERNALLY FINNED TUBE. ENGINEERING CORRELATIONS"
INDUSTRIAL ENGINEERING CHEMISTRY PROCESS DESIGN AND
DEVELOPMENT, VOL.10, 1971, PP.122-125
032165 1971 ** EXTENDED SURF
1FORCECONV
- HILDING;W.E. COOGAN JR.;C.H.
"HEAT TRANSFER AND PRESSURE LOSS MEASUREMENTS IN INTERNAL
LY FINNED TUBES"
SYMPOSIUM ON AIR-COOLED HEAT EXCHANGERS, AMERICAN SOCIETY
OF MECHANICAL ENGINEERS, 1964, PP.57-85
032006 1964 ASME EXTENDED SURF
1FORCECONV SWIRLFLO
- HILL;K.
"ENHANCED HEAT TRANSFER TUBES"
FAIRLEIGH DICKINSON UNIVERSITY SUMMER COURSE 1978, THEORY
AND PRACTICE OF DESALINATION, 368/KH/MEP, JULY 27, 1978
034007 1978 ** EXTENDED SURF
1FORCECONV CONDENSATION FLOBOIL
- HIRSCHIGRO;H.
"HEAT TRANSFER AND PRESSURE DROP OF LONGITUDINALLY-FINNED
HEAT EXCHANGERS"
BULLETIN OF INTERNATIONAL INSTITUTE OF REFRIGERATION,
ANEXE, 1963, PP.209-238
032034 1963 ** EXTENDED SURF
1FORCECONV
- HOBSON;M. WEBER;J.H.
"SPINED TUBES IN HEAT EXCHANGERS"
INDUSTRIAL AND ENGINEERING CHEMISTRY, VOL.46, 1954,
PP.2290-2294
032118 1954 IEC EXTENDED SURF
1FORCECONV
- HOFFMAN;H.W. ALEXANDER;L.G.
"TUBE IDENTIFIER"
OAK RIDGE NATIONAL LABORATORY REPORT ORNL-TM2713, OCTOBER
1971
035019 1971 ORNL EXTENDED SURF
1FORCECONV CONDENSATION
- HOSODA;T. UZUHASHI;H. KODAYASHI;N.
"LOUVER FIN TYPE HEAT EXCHANGERS"
HEAT TRANSFER - JAPANESE RESEARCH, VOL.6, NO.2, 1977
PP.69-77
032196 1977 HTJR EXTENDED SURF
1FORCECONV
- IRANI;S. MORI;K. MARUTA;T.
SUWA;A.
"PERFORMANCE OF A CORRUGATED PLATE FINNED COIL"
REFRIGERATION, VOL.52, 1977, PP.631-640
032155 1977 EXTENDED SURF 1FORCECONV
- HU;M.-H.
"FLOW AND THERMAL ANALYSIS FOR MECHANICALLY ENHANCED HEAT
TRANSFER TUBES"
PH.D. THESIS, STATE UNIVERSITY OF NEW YORK AT BUFFALO, 1973
032141 1973 ** EXTENDED SURF
1FORCECONV
- HU;M.H. CHANG;Y.P.
"OPTIMIZATION OF FINNED TUBES FOR HEAT TRANSFER IN LAMINAR
FLOW"
JOURNAL OF HEAT TRANSFER, VOL.95, 1973, PP.332-338
032009 1973 JHT EXTENDED SURF
1FORCECONV
- HUFSCHMIDT;W.
"DIE EIGENSCHAFTEN VON RIPPENROHRLUFTKUEHLERN IN
ARBEITSBEREICH DER KLIMAAANLAGEN"
FORSCHUNGSBERICHTE DES LANDES NORDRHEIN-WESTFALLEN, NO. 889,
1960
032259 1960 ** EXTENDED SURF
1FORCECONV
- HUTCHINS;W.H. GRABOWSKI;W.V.
"HIGH EFFECTIVENESS RECUPERATOR FOR WASTE HEAT RECOVERY
APPLICATIONS"
THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS, PAPER NO.
80-WA/HT-15, 1980
032268 1980 ASME EXTENDED SURF
1FORCECONV
- HWANG;U.P.
"EFFECT OF FLOW DIRECTION ON MIXED CONVECTION HEAT TRANSFER
FROM A VERTICAL FLAT PLATE AND A PLATE WITH SQUARE
PROTUBERANCES"
LETTERS IN HEAT AND MASS TRANSFER, VOL.6, 1979, PP.459-468
032245 1979 LHMT EXTENDED SURF
ROUGH SURF 1FORCECONV
- ITO;M. KIMURA;H. SENSU;T.
"DEVELOPMENT OF HIGH EFFICIENCY AIR-COOLED HEAT EXCHANGERS"
HITACHI REVIEW, VOL.20, 1977, PP.323-326
032194 1977 ** EXTENDED SURF
1FORCECONV FLOBOIL
- ITO;M. KIMURA;H. TANAKA;T.
MUSOH;M.
"DEVELOPMENT OF AIR-COOLING HEAT EXCHANGERS WITH ROUGH-
SURFACE LOUVERED FIN"
ASHRAE TRANSACTIONS, VOL.88, PART 2, 1982, PP.218-227
032310 1982 AICHET EXTENDED SURF
1FORCECONV
- JAMESON;B.L.
"TUBE SPACING IN FINNED TUBE BANKS"
TRANSACTIONS OF THE AMERICAN SOCIETY OF MECHANICAL
ENGINEERS, VOL.67, 1945, PP.633-642
032111 1945 ASMET EXTENDED SURF
1FORCECONV
- JOHNSON;B.M. KREID;D.K. HAUSER;S.G.
"A METHOD OF COMPARING PERFORMANCE OF EXTENDED-SURFACE
HEAT EXCHANGERS"
HEAT TRANSFER ENGINEERING, VOL.4, NO.1, 1983, PP.32-42
032347 1983 HTE EXTENDED SURF
1FORCECONV PERFORMANCE
- JONES;T.V. RUSSELL;C.M.B.
"HEAT TRANSFER DISTRIBUTION ON ANNULAR FINS"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.78-HT-30,
1978
032210 1978 ASME EXTENDED SURF
1FORCECONV
- JONES;T.V. RUSSELL;C.M.B.
"LOCAL HEAT TRANSFER COEFFICIENTS ON FINNED TUBES"
REGENERATIVE AND RECUPERATIVE HEAT EXCHANGERS, VOL.21,
ASME, NEW YORK, 1981, PP.17-25
032285 1981 ** EXTENDED SURF
1FORCECONV
- JOSHI;S.D. BERGLES;A.E.
"SURVEY AND EVALUATION OF PASSIVE HEAT TRANSFER AUGMENTATION
TECHNIQUES FOR LAMINAR FLOW"
JOURNAL OF THERMAL ENGINEERING, VOL.1, NO.3, 1980, PP.
105-124
000107 1980 ** LITSURVEY
1FORCECONV ROUGH SURF EXTENDED SURF DISPENSE DEVICE
SWIRLFLO
- KAMEOKA;T. NAKAMURA;K.
"INVESTIGATION ON CONVECTIVE HEAT TRANSFER FROM TRANSVERSE
PLATE FINNED SURFACES"
BULLETIN OF THE JAPANESE SOCIETY OF MECHANICAL ENGINEERS,
VOL.18, NO.115, 1975, PP.33-40
032145 1975 BJSME EXTENDED SURF
1FORCECONV

KAMEOKA;T. NAKAMURA;K.
"INVESTIGATION ON CONVECTIVE HEAT TRANSFER FROM FINNED PLATE SURFACE"
HEAT TRANSFER - JAPANESE RESEARCH, VOL.6, 1977, PP.41-54
032156 1977 HTJR EXTENDED SURF
1FORCECONV

KANZAKA;M. TOKITA;Y. TWABUCHI;M.
WATANABE;Y. AKOI;Y. KAWADA;N.A.
HASHIMOTO;R.
"FUNDAMENTAL STUDIES ON AUGMENTATION OF HEAT TRANSFER IN AIR-COOLED HEAT EXCHANGERS"
ASME-JSME THERMAL ENGINEERING JOINT CONFERENCE PROCEEDINGS, HONOLULU, HAWAII, MARCH 1983, VOL.1, PP.503-510
032337 1983 ** EXTENDED SURF
1FORCECONV

KATZ;D.L. BEATTY JR.;K.O. FOUST;A.S.
"HEAT TRANSFER THROUGH TUBES WITH INTEGRAL SPIRAL FINNS"
TRANSACTIONS OF THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS, VOL.68, 1945, PP.665-674
032002 1945 ASME EXTENDED SURF
1FORCECONV

KATZ;D.L. WILLIAMS;R.B.
"DESIGN OF FINNED TUBE EXCHANGERS AND CONDENSERS"
OIL AND GAS JOURNAL, VOL. 48, JULY 28, 1949, PP.245, 246, 250, 254, 258, 335
032003 1949 ** EXTENDED SURF
1FORCECONV CONDENSATION

KATZ;D.L.
"CORRELATIONS OF HEAT TRANSFER AND PRESSURE DROP FOR AIR FLOWING ACROSS BANKS OF FINNED TUBES"
UNIV. OF MICHIGAN, ENGINEERING INSTITUTE REPORT ON PROJECT M592, AUGUST 1952
032205 1952 ** EXTENDED SURF
1FORCECONV NHC

KAYS;W.M. LONDON;A.L.
"COMPACT HEAT EXCHANGERS", SECOND EDITION
MC GRAW HILL BOOK COMPANY, NEW YORK, 1964
000022 1964 ** LITSURVEY
ROUGHSURF EXTENDED SURF DISPENHDEVICE 1FORCECONV

KAYS;W.M.
"COMPACT HEAT EXCHANGERS"
AGARD LECTURE SERIES #57 ON HEAT EXCHANGERS, ED. J.J.GINOX, 1972
032130 1972 AGARD EXTENDED SURF
1FORCECONV

KAYS;W.M. LONDON;A.L.
"REMARKS ON THE BEHAVIOR AND APPLICATION OF COMPACT HIGH-PERFORMANCE HEAT TRANSFER SURFACES"
PROC. GEN. DISCUSSION ON HEAT TRANSFER, INST. MECH. ENGRS., 1951, PP. 127 - 132
032131 1951 IME EXTENDED SURF
1FORCECONV

KLEPPER;O.H.
"HEAT TRANSFER TESTS OF RIBBED SURFACES FOR GAS-COOLED REACTORS"
OAK RIDGE NATIONAL LABORATORY REPORT NO. ORNL-TM-4108, JULY 1975
032147 1975 ORNL EXTENDED SURF
1FORCECONV

KOKYA;V.N. LOKSHIN;V.A.
"TECHNOLOGICAL CHARACTERISTICS OF A HEAT TRANSFER OF TUBES WITH LOOPED-WIRE FINNING AT DIFFERENT ANGLES OF ATTACK OF AIR FLOW"
ABSTRACTED IN THERMAL ENGINEERING, VOL.29, 1982, P.57
032341 1982 TENG EXTENDED SURF
1FORCECONV

KONOPLEV;E.I. CHKOVSKII;A.L.
"A METHOD OF CALCULATING THE TEMPERATURE IN HEATED TUBES WITH CROSS FINNS"
THERMAL ENGINEERING, VOL.17, NO.7, 1970, PP.111-114

032040 1970 TENG EXTENDED SURF
1FORCECONV

KOVACS;G.
"APPLICATION OF SHORT-FINNED HEAT EXCHANGER AS AIR-COOLED CONDENSER"
LA REVUE GENERALE DU FROID, FEBRUARY, 1963, PP.159-168
032102 1963 ** EXTENDED SURF
1FORCECONV

KOVARIK;M.
"OPTIMAL HEAT TRANSFER ASSEMBLIES WITH THIN STRAIGHT FINNS"
JOURNAL OF HEAT TRANSFER, VOL.105, 1983, PP.203-205
032345 1983 JHT EXTENDED SURF
1FORCECONV

KOZIOL;K. BRONIAZ;L.
"TRANSFER PROCESSES IN FILM APPARATUS. II. EFFECT OF SYSTEMATIC SURFACE GROOVING ON THE VALUE OF THE MASS TRANSFER COEFFICIENT IN A FALLING FILM OF LIQUID"
INTERNATIONAL CHEMICAL ENGINEERING, VOL.20, NO.1, 1980, PP. 143-149
036010 1980 ICE EXTENDED SURF
1FORCECONV

KRAUS;A.D. SNIDER;A.D. DOTY;L.F.
"ANALYSIS OF ARRAYS OF EXTENDED SURFACES"
JOURNAL OF HEAT TRANSFER, VOL.100, 1978, PP.288-293
032167 1978 JHT EXTENDED SURF
1FORCECONV

KRAUSE;W.B. PETERS;A.R.
"HEAT TRANSFER FROM A HORIZONTAL SERRATED FINNED TUBE IN AN AIR-FLUIDIZED BED OF UNIFORMLY-SIZED PARTICLES"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.80-HT-48, 1980
032247 1980 ASME EXTENDED SURF
1FORCECONV ADDFORGASES

KREID;D.K. JOHNSON;B.M. FALETTI;D.W.
"APPROXIMATE ANALYSIS OF HEAT TRANSFER FROM THE SURFACE OF A WET FINNED HEAT EXCHANGER"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.78-WA-26, 1978
142018 1978 ASME COMPOUNDTECH
1FORCECONV EXTENDED SURF ADDFORGASES

KREID;D.K. PARRY;H.L. MC GOWEN;L.J.
JOHNSON;B.M.
"PERFORMANCE OF A PLATE FIN AIR-COOLED HEAT EXCHANGER WITH DELUGED WATER AUGMENTATION"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO. 79-WA/ENER-1, 1979
082137 1979 ASME ADDFORGASES
1FORCECONV EXTENDED SURF

KREMER;H. SCHOLAND;E.
"HEAT TRANSFER OF HOT FLOWING GASES AT FINNED TUBES"
CHEMIE-INGENIEUR-TECHNIK, VOL.46, 1974, P.211
032059 1974 ** EXTENDED SURF
1FORCECONV

KREMER;H. SCHOLAND;E.
"HEAT EXCHANGERS OF COMPACT DESIGN"
GAS WAERME INTERNATIONAL, VOL.20, NO.5, 1971, PP.189-195
032121 1971 ** EXTENDED SURF
1FORCECONV

KROEGER;D.G.
"LAMINAR CONDENSATION HEAT TRANSFER INSIDE INCLINED TUBES"
AMERICAN INSTITUTE OF CHEMICAL ENGINEERS SYMPOSIUM SERIES NO.164, VOL.73, 1977, PP.256-260
032045 1975 AICHE EXTENDED SURF
1FORCECONV

KRUECKELS;W. KOTTKE;V.
"INVESTIGATION OF THE DISTRIBUTION OF HEAT TRANSFER ON FINNS AND FINNED TUBE MODELS"
CHEMIE-INGENIEUR-TECHNIK, VOL. 42, 1970, PP. 355-362
032126 1970 ** EXTENDED SURF
1FORCECONV

- KRUPICZKA;R. BYLICA;I. WALCZYK;H.
LIPOWSKA;M. KOZAK;A.
"STUDY OF THE NON-UNIFORMITY OF HEAT TRANSFER IN SHELL-AND-TUBE HEAT EXCHANGERS WITH VARIOUS STRUCTURE OF INTERTUBULAR SPACE--II. FINNED TUBES"
INZYNIERIA I APARATURA CHEMICZNA, VOL.19, NO.1, 1980, PP.11-14
032307 1980 ** EXTENDED SURF
1FORCECONV
- KRYUKOV;Y.V. BOYKOV;G.P.
"AUGMENTATION OF HEAT TRANSFER IN AN ACOUSTIC FIELD"
HEAT TRANSFER - SOVIET RESEARCH, VOL.5, NO.1, 1973, PP.26-28
112072 1973 HTSR FLUIDVIB
1FORCECONV EXTENDED SURF COMPOUNDTECH 1NATCONV
- KUN;L.C.
"FRICTION FACTOR AND LIMITING NUSSELT NUMBER FOR LAMINAR FLOW IN INTERNALLY FINNED TUBES BY MEANS OF GREENS FUNCTION"
PH.D. THESIS, STATE UNIVERSITY OF NEW YORK AT BUFFALO, 1970
032017 1970 ** EXTENDED SURF
1FORCECONV
- KUNTISH;V.B. TARYAN;I.G. YOKHVEDOV;F.M.
"ON THE EFFECT OF THE RELATIVE DEPTH OF THE INTERFIN SPACE ON HEAT TRANSFER FROM BUNDLES OF FINNED TUBES"
HEAT TRANSFER - SOVIET RESEARCH, VOL.6, NO.6, 1974, PP.5-9
032157 1974 HTSR EXTENDED SURF
1FORCECONV
- KUNTISH;V.B. YOKAVEDOV;F.M.
"AN EXPERIMENTAL DETERMINATION OF THE LOCAL HEAT TRANSFER FOR DOUBLE-FINNED TUBES IN BANKS OF TUBES IN CROSSFLOW"
IZVESTIYA V.U.Z., ENERGETIKA, VOL.2, 1977
032204 1977 ** EXTENDED SURF
1FORCECONV NHC
- KUNTYSH;V. IOKHVEDOV;F.M.
"EFFECT OF THE RELATIVE INTERFIN DISTANCE ON THE THERMAL EFFICIENCY, CONVECTIVE HEAT TRANSFER IN FINNED TUBE BUNDLES AND ON AUGMENTING OF HEAT TRANSFER"
HEAT TRANSFER-SOVIET RESEARCH, VOL.3, NO.2, 1971, PP.50-61
032044 1971 HTSR EXTENDED SURF
1FORCECONV
- KUNTYSH;V.B. IOKHVEDOV;F.M. TARANYAN;I.G.
"MORE EFFECTIVE HEAT TRANSFER IN FINNED TUBE BUNDLES"
THEORETICAL FOUNDATIONS OF CHEMICAL ENGINEERING, VOL.7, 1973, PP.556-570
032164 1973 ** EXTENDED SURF
1FORCECONV
- KUNTYSH;V.B. FEDOTOVA;L.M. KUZNETSOV;N.M.
"INFLUENCE OF FINNED TUBE BUNDLE GEOMETRY ON HEAT TRANSFER AND PRESSURE DROP"
KHOLODILNAYA TEKHNIKA, NO.8, 1981, PP.25-28
032321 1981 ** EXTENDED SURF
1FORCECONV
- KUNTYSH;V.B. IOKHVEDOV;F.M.
"INFLUENCE OF NUMBER OF ROWS AND OF TUBE PATTERN ON LOCAL HEAT TRANSFER IN THE LAST ROW OF A FINNED TUBE BUNDLE IN CROSSFLOW"
IZVESTIYA V.U.Z. ENERGETIKA, NO.3, 1979, PP.56-59
032327 1979 ** EXTENDED SURF
1FORCECONV
- KUZNETSOV;N.V. PSHENISNOV;I.F.
"INFLUENCE OF THE NONUNIFORMITY OF HEAT TRANSFER OVER THE SURFACE OF CONTINUOUS SPIRAL AND WIRE FINNING ON THE FINNING EFFECTIVENESS"
THERMAL ENGINEERING, VOL.21, NO.6, 1974, PP.42-46
032144 1974 TENG EXTENDED SURF
1FORCECONV
- KUZNETSOV;N.V. PSHENISNOV;I.F.
"EFFECT OF THE NONUNIFORMITY OF HEAT TRANSFER OVER THE SURFACE OF A ROUND FIN ON ITS EFFICIENCY"
THERMAL ENGINEERING, VOL.21, NO.8, 1974, PP.58-62
- 032177 1974 TENG EXTENDED SURF
1FORCECONV
- LA HAYE;P.G. SAKHUA;R.K. NEUGEBAUER;F.J.
"A GENERALIZED PREDICTION OF HEAT TRANSFER SURFACE PERFORMANCE AND EXCHANGER OPTIMIZATION"
JOURNAL OF HEAT TRANSFER, VOL.96, 1974, PP.511-517
032142 1974 JHT EXTENDED SURF
1FORCECONV
- LAPIN;A. SCHARIG;W.I.
"HEAT TRANSFER COEFFICIENTS FOR FINNED EXCHANGERS"
INDUSTRIAL AND ENGINEERING CHEMISTRY, VOL.51, 1959, PP.941-944
032173 1959 IEC EXTENDED SURF
1FORCECONV
- LARSON;E.D. SPARROW;E.M.
"PERFORMANCE COMPARISONS AMONG GEOMETRICALLY DIFFERENT PIN-FIN ARRAYS SITUATED IN AN ONCOMING LONGITUDINAL FLOW"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.25, 1982, PP.723-725
032291 1982 IJHMT EXTENDED SURF
1FORCECONV
- LEE;C.P.
"HEAT TRANSFER AUGMENTATION IN FLOWS OVER AND NORMAL TO HIGH POROSITY PERFORATED SURFACES"
PH.D. THESIS IN MECHANICAL ENGINEERING, THE UNIVERSITY OF MICHIGAN, 1978
032242 1978 ** EXTENDED SURF
1FORCECONV NHC
- LEE;C.P. YANG;W.-J.
"AUGMENTATION OF CONVECTIVE HEAT TRANSFER FROM HIGH-POROSITY PERFORATED SURFACES"
HEAT TRANSFER 1978, VOL.2, HEMISPHERE PUBLISHING COMPANY, WASHINGTON D.C., PP.589-594
032192 1978 VIIHTC EXTENDED SURF
1FORCECONV
- LEE;C.P. YANG;W.-J.
"HEAT TRANSFER AND FRICTION LOSS IN FLOWS NORMAL TO STACKS OF PERFORATED PLATES"
HEAT TRANSFER 1978, VOL.2, HEMISPHERE PUBLISHING COMPANY: WASHINGTON, D.C., 1978, PP.625-630
032223 1978 VIIHTC EXTENDED SURF
1FORCECONV
- LEE;Y.N.
"TECHNOLOGICAL ADVANCEMENT IN ALL ALUMINUM PLATE-TYPE OIL COOLER"
COMPACT HEAT EXCHANGERS - HISTORY, TECHNOLOGICAL ADVANCEMENT AND MECHANICAL DESIGN PROBLEMS, HTD-VOL. 10, ASME, NEW YORK, 1980, PP. 145-152
032280 1980 ** EXTENDED SURF
1FORCECONV
- LEGKII;V.M. ZHOLUDOV;Y.S. GERASHCHENKO;O.A.
"LOCAL HEAT EXCHANGE OF A SINGLE TRANSVERSELY BATHED ROUND TUBE WITH EXTERNAL CIRCULAR FINS"
JOURNAL OF ENGINEERING PHYSICS, VOL.30, 1976, PP.178-182
032169 1976 JEP EXTENDED SURF
1FORCECONV
- LEGKII;V.M. PAVLENKO;V.P. MAKAROV;A.S.
"INVESTIGATION OF LOCAL HEAT TRANSFER IN A TUBE WITH ANNULAR FINS IN TRANSVERSE AIR FLOW"
HEAT TRANSFER - SOVIET RESEARCH, VOL.6, NO.6, 1974, PP.101-107
032172 1974 HTSR EXTENDED SURF
1FORCECONV
- LEGIY;M. TUPITSYN;Y.K.
"CERTAIN FEATURES OF HEAT TRANSFER IN FINNED-TUBE BUNDLES IN CROSSFLOW"
HEAT TRANSFER - SOVIET RESEARCH, VOL.10, NO.6, 1978, PP. 112-117
032305 1978 HTSR EXTENDED SURF
1FORCECONV

- LEIDENFROST;W. KORENIC;B.
"ANALYSIS OF EVAPORATIVE COOLING AND ENHANCEMENT OF
CONDENSER EFFICIENCY AND COEFFICIENT OF PERFORMANCE"
WAERME- UND STOFFUEBERTRAGUNG, VOL.12, 1979, PP.5-23
142022 1979 ** COMPOUNDTech
1FORCECONV EXTENDED SURF ADDFORGASES
- LEMMON;A.W. COLBURN;A.P. NOTTAGE;H.B.
"HEAT TRANSFER FROM A BAFFLED-FINNED CYLINDER SPACED FINS"
TRANSACTIONS OF THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS
VOL.67, 1945, PP.601-612
032062 1945 ** EXTENDED SURF
1FORCECONV
- LESLIE;D.C.
"THE HISTORICAL DEVELOPMENT OF HEAT TRANSFER SURFACES FOR
GAS-COOLED REACTORS ANALYSED WITH A SIMPLE CRITERION"
PROGRESS IN NUCLEAR ENERGY, VOL.5, 1980, PP.237-253
032302 1980 ** EXTENDED SURF
1FORCECONV
- LEWIS;L.G. SATHER;N.F.
"OTEC PERFORMANCE TESTS OF THE CARNEGIE-MELLON UNIVERSITY
VERTICAL FLUTED-TUBE CONDENSER"
ARGONNE NATIONAL LABORATORY, OCEAN THERMAL ENERGY CONVERSION
PROGRAM, REPORT NO. ANL/OTEC-PS-4, MAY 1979
032262 1979 ANL EXTENDED SURF
1FORCECONV CONDENSATION
- LIANG;C.Y.
"HEAT TRANSFER, FLOW FRICTION, NOISE AND VIBRATION STUDIES
OF PERFORATED SURFACES"
PH.D. THESIS IN MECHANICAL ENGINEERING, THE UNIVERSITY OF
MICHIGAN, 1975
032075 1975 ** EXTENDED SURF
1FORCECONV
- LIANG;C.Y. YANG;W.J. CLARK;J.A.
"SLOTTED-FIN TUBULAR HEAT EXCHANGERS FOR DRY COOLING TOWERS"
AIAA PAPER NO.74-661/ASME PAPER NO.74-HT-6 FOR AIAA/ASME
1974 THERMOPHYSICS AND HEAT TRANSFER CONFERENCE, BOSTON,
JULY 1974
032089 1974 ASME EXTENDED SURF
1FORCECONV
- LIANG;C.Y. YANG;W.-J.
"HEAT TRANSFER AND FRICTION LOSS PERFORMANCE OF PERFORATED
HEAT EXCHANGER SURFACES"
JOURNAL OF HEAT TRANSFER, VOL.97, 1975, PP.9-15
032209 1975 JHT EXTENDED SURF
1FORCECONV
- LIPETS;A.U. ZHOLUDOV;Y.S. LOKSHIN;V.A.
ANTONOV;A.Y.
"THE USE OF TUBES WITH INTERNAL LONGITUDINAL FINS IN A
REHEATER"
THERMAL ENGINEERING, VOL.12, NO.8, 1965, PP.27-30
032069 1965 TENG EXTENDED SURF
1FORCECONV
- LIPETS;A.U. ZHOLUDOV;Y.S.
"CALCULATING THE EFFECTIVENESS OF INTERNAL FINNING OF
REHEATERS"
THERMAL ENGINEERING, VOL.17, NO.4, 1970, PP.76-81
032067 1970 TENG EXTENDED SURF
1FORCECONV
- LIPETS;A.U. ZHOLUDOV;Y.S. ANTONOV;A.Y.
GROMOV;G.V.
"THE TEMPERATURE REGIME AND HYDRAULIC RESISTANCE OF TUBES
WITH INTERNAL LONGITUDINAL FINS"
HEAT TRANSFER - SOVIET RESEARCH, VOL.1, NO.5, 1969, PP.86-94
032084 1969 HTSR EXTENDED SURF
1FORCECONV
- LISEIKIN;I.D. ANDREEVA;A.Y. PATINA;T.M.
LITVINENKO;A.V.
"INVESTIGATION OF HEAT TRANSFER AND OF AERODYNAMIC RESIST-
ANCE IN MEMBRANE CONVECTIVE BANKS OF TUBES WITH PROFILED
INSERTS"
THERMAL ENGINEERING, VOL.21, NO.9, 1974, PP.43-48
- 032135 1974 TENG EXTENDED SURF
1FORCECONV
- LO;D.-A. REN;Z.-P.
"A DESIGN METHOD FOR THE INTENSIFICATION OF AIR COOLING OF
THE HIGH-OUTPUT SILICON CONTROLLED RECTIFIER"
JOURNAL OF ENGINEERING THERMOPHYSICS, VOL.1, NO.2, 1980,
PP.176-184
032148 1980 ** EXTENDED SURF
1FORCECONV
- LOCKARD;J.L. WEBER;J.H.
"SPINED TUBES IN CROSS-FLOW EXCHANGERS"
INDUSTRIAL AND ENGINEERING CHEMISTRY, VOL.52, 1960, PP.925-928
032117 1960 IEC EXTENDED SURF
1FORCECONV
- LOCKWOOD;F.C. MALILA;D.
"PRESSURE DROP AND LOCAL HEAT TRANSFER IN AN IN-LINE,
PARALLEL-TUBE HEAT EXCHANGER WITH INTER-TUBE FINS:
AN EXPERIMENTAL STUDY"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.12
1969, PP.821-825
032056 1969 IJHMT EXTENDED SURF
1FORCECONV
- LOEHRKE;R.I. ROADMAN;R.E. READ;G.W.
"HEAT TRANSFER FROM PERFORATED SURFACES"
MECHANICAL ENGINEERING DEPARTMENT, COLORADO STATE UNIVERSITY
TECHNICAL REPORT HT-PP761, SEPTEMBER, 1976
032261 1976 ** EXTENDED SURF
1FORCECONV
- LOEHRKE;R.I. LANE;J.C. ZELENSKA;R.L.
"HEAT TRANSFER FROM INTERRUPTED PLATE SURFACES"
TECHNICAL REPORT HT-PP791, MECHANICAL ENGINEERING
DEPARTMENT, COLORADO STATE UNIVERSITY, NOVEMBER 1979
032276 1979 ** EXTENDED SURF
1FORCECONV
- LOEHRKE;R.I. LANE;J.C.
"FLOW THROUGH AN ARRAY OF INTERRUPTED, PARALLEL PLATES"
HEAT TRANSFER 1982, VOL.3, HEMISPHERE PUBLISHING COMPANY,
WASHINGTON, D.C., 1982, PP.81-86
032314 1982 VIIHTC EXTENDED SURF
1FORCECONV
- LOKSHIN;A.A. ZOZULYA;N.V. FOMINA;V.N.
PORTYANKO;A.A.
"TESTS OF AN ECONOMISER MANUFACTURED OF TUBES WITH WELDED
STRIP-TYPE FINS IN A BOILER OPERATING ON EKIBASTUZ COAL"
THERMAL ENGINEERING, VOL.26, NO.3, 1979, PP.139-141
032253 1979 TENG EXTENDED SURF
1FORCECONV
- LOKSHIN;V.A. LISEIKIN;I.D.
"INVESTIGATION AND CALCULATION OF HEAT TRANSFER OF MEMBRANE
TYPE CONVECTIVE HEATING SURFACES"
THERMAL ENGINEERING, VOL.18, NO.2, 1971, PP.53-58
032107 1971 TENG EXTENDED SURF
1FORCECONV
- LOKSHIN;V.A. LISEIKIN;I.D. ARONOV;D.I.
"AN INVESTIGATION AND CALCULATION OF HEAT TRANSFER AND
AERODYNAMIC RESISTANCE OF MEMBRANE, IN-LINE TUBE BUNDLES"
THERMAL ENGINEERING, VOL.22, NO.11, 1976, PP.83-86
032199 1976 TENG EXTENDED SURF
1FORCECONV
- LOKSHIN;V.A. FOMINA;V.N. PAVLOV;N.V.
PORTYANKO;A.A. SKORNYAKOVA;L.G.
"EXPERIMENTAL INVESTIGATION OF THE FOULING OF TRANSVERSELY
FINNED BUNDLES OF TUBES IN A DUST-LADEN AIR FLOW"
THERMAL ENGINEERING, VOL.27, NO.6, 1980, PP.327-330
032300 1980 TENG EXTENDED SURF
1FORCECONV MASSTRAN
- LONDON;A.L. SHAH;R.K.
"OFFSET RECTANGULAR FIN SURFACE - HEAT TRANSFER AND FLOW
FRICTION CHARACTERISTICS"
JOURNAL OF ENGINEERING FOR POWER, VOL.90, 1968, PP.218-228
032029 1968 ** EXTENDED SURF

1FORCECONV

LONDON;A.L.

"COMPACT HEAT EXCHANGERS - PART I, DESIGN THEORY"
MECHANICAL ENGINEERING, MAY 1964, PP.47-51

032127 1964 ME EXTENDED SURF
1FORCECONV

LONDON;A.L. KAYS;W.M. JOHNSON;D.W.

"HEAT TRANSFER AND FLOW FRICTION CHARACTERISTICS OF SOME
COMPACT HEAT EXCHANGE SURFACES"
TRANSACTIONS OF THE AMERICAN SOCIETY OF MECHANICAL
ENGINEERS, VOL. 74, 1952, PP. 1167-1178

032235 1952 ** EXTENDED SURF
1FORCECONV

LONDON;A.L.

"EFFECTS OF NON-UNIFORM PASSAGES ON DEEPFOLD HEAT EXCHANGER
PERFORMANCE"

JOURNAL OF ENGINEERING FOR POWER, VOL.102, 1980, PP.510-511
032297 1980 ** EXTENDED SURF
1FORCECONV

LONDON;A.L.

"COMPACT HEAT EXCHANGERS - PART II, SURFACE GEOMETRY"
MECHANICAL ENGINEERING, JUNE 1964, PP.31-34

032318 1964 ME EXTENDED SURF
1FORCECONV

LONDON;A.L.

"COMPACT HEAT EXCHANGERS - PART III, APPLICATIONS"
MECHANICAL ENGINEERING, JULY 1964, PP.33-36

032364 1964 ME EXTENDED SURF
1FORCECONV

LORENZ;J.J.

YUNG;D.T.

HILLIS;D.L.

SATHER;N.F.

"OTEC PERFORMANCE TESTS OF THE CARNEGIE-MELLON UNIVERSITY
VERTICAL FLUTED-TUBE EVAPORATOR"
ARGONNE NATIONAL LABORATORY, OCEAN THERMAL ENERGY CONVERSION
PROGRAM, REPORT NO. ANL/OTEC-PS-5, JULY 1979

033036 1979 ANL EXTENDED SURF
POOLBOIL 1FORCECONV

LUBNY-GERTSYK;A.L. ZOZ;V.N.

SKEINEN;B.I.

"PROCEDURE FOR CALCULATION OF HEAT TRANSFER BY MEMBRANE-LOSE
FINNING OF TUBES"

THERMAL ENGINEERING, VOL.24, NO.1, 1977, PP.73-78
032195 1977 TENG EXTENDED SURF
1FORCECONV PERFORMANCE

LUKASH;V.B.

ORNATSKY;A.P.

"STUDY OF HEAT TRANSFER AND RESISTANCE IN ANNULAR DUCTS OF
THE COLLECTORS OF ELECTROVACUUM DEVICES WITH BLADE FINNING"
PROMYSHLENNAYA TEPLOTEKHNIKA, VOL.3, NO.2, 1981, PP.57-62

032320 1981 ** EXTENDED SURF
1FORCECONV NHC

LUKOMSKY;S.M.

READULCHENKO;G.V.

"AN EXPERIMENTAL INVESTIGATION OF THE HEAT-EXCHANGE BETWEEN
PIN-FIN HEATING SURFACES AND AN AIR FLOW"

HEAT TRANSFER 1970, VOL.1, PAPER NO.HE1.2, ELSEVIER
PUBLISHING COMPANY, AMSTERDAM, 1970

032198 1970 IVIHTC EXTENDED SURF
1FORCECONV

LUSTENADER;E.L.

STAUB;F.W.

"DEVELOPMENT CONTRIBUTIONS TO COMPACT CONDENSER DESIGN"
INTERNATIONAL NICKEL COMPANY POWER CONFERENCE, SESSION 2,
MAY 1964

035020 1964 ** EXTENDED SURF
1FORCECONV CONDENSATION

LYMER;A.

"FINNED TUBES IN A CROSS-FLOW OF GAS"

MODERN REFRIGERATION, MARCH 1961, PP.287,289, AND 292
032239 1961 ** EXTENDED SURF
1FORCECONV

MALHOTRA;A.K.

LEINBACH;G.E.

STRAW;J.J.

WAGNER;G.R.

"FINSTRATE: A NEW CONCEPT IN VLSI PACKAGING"

HEWLETT-PACKARD JOURNAL, AUGUST 1983, PP.24-26

032351 1983 ** EXTENDED SURF
1FORCECONV

MANDAL;S.K.

"HEAT TRANSFER AND FRICTION FACTORS OF HIGH PRANDTL NUMBER
LAMINAR FLOW THROUGH AN ANNULUS WITH CIRCUMFERENTIAL FINS"
PH.D. DISSERTATION, UNIVERSITY OF PITTSBURG, 1974

032079 1974 ** EXTENDED SURF
1FORCECONV

MANDEL;S.W.

TOWNSEND;M.A.

PARRISH JR.;T.F.

"OPTIMAL FIN-SIDE DESIGN OF COMPACT TUBE-IN-FIN HEAT
EXCHANGERS WITH RIPPLED FINS"

JOURNAL OF HEAT TRANSFER, VOL.101, 1979, PP.514-525
032254 1979 JHT EXTENDED SURF
1FORCECONV

MARNER;W.J.

BERGLES;A.E.

"AUGMENTATION OF TUBESIDE LAMINAR FLOW HEAT TRANSFER BY
MEANS OF TWISTED-TAPE INSERTS, STATIC-MIXER INSERTS, AND
INTERNALLY FINNED TUBES"

HEAT TRANSFER 1978, VOL.2, HEMISPHERE PUBLISHING CORPORATION
WASHINGTON, D.C., 1978, PP.583-588

052076 1978 VIIHTC SWIRLFLO
1FORCECONV EXTENDED SURF DISPENSE DEVICE

MARRIOTT;J.

"PERFORMANCE OF AN ALFAFLEX PLATE HEAT EXCHANGER"
CHEMICAL ENGINEERING PROGRESS, NO.2, 1977, PP.73-78

032152 1977 CEP EXTENDED SURF
1FORCECONV

MARTELLI;A.

OTTAVIANI;G.

"CALCULATIONS WITH SAGAPO-2 FOR A GAS-COOLED BUNDLE OF 19
RODS WITH TRIANGULAR ROUGHNESS RIBS AND COMPARISON WITH KFK
EXPERIMENTAL RESULTS"

CNEN, ROME, ITALY REPORT CNEN-RT/ING(80)24, 1980
032303 1980 ** EXTENDED SURF
1FORCECONV NHC

MASLIYAH;J.H.

NANDAKUMAR;K.

"HEAT TRANSFER IN INTERNALLY FINNED TUBES"

JOURNAL OF HEAT TRANSFER, VOL.98, 1976, PP.257-261
032096 1976 JHT EXTENDED SURF
1FORCECONV

MASLIYAH;J.H.

NANDAKUMAR;K.

"FLUID FLOW AND HEAT TRANSFER IN INTERNALLY FINNED HELICAL
COILS"

CANADIAN JOURNAL OF CHEMICAL ENGINEERING, VOL.55, 1977,
PP.27-36

162091 1977 ** COILED TUBE
EXTENDED SURF COMPOUNDTECH 1FORCECONV

MATTOX;D.I.

"EVALUATION OF HEAT TRANSFER ENHANCEMENT IN AIR-HEATING
COLLECTORS"

NORTHROP SERVICES INC., HUNTSVILLE REPORT, 1979
032294 1979 ** EXTENDED SURF
1FORCECONV NHC

MC ADAMS;W.H.

DREXEL;R.E.

GOLDEY;R.H.

"LOCAL COEFFICIENTS OF HEAT TRANSFER FOR AIR FLOWING
AROUND A FINNED CYLINDER"

TRANSACTIONS OF THE AMERICAN SOCIETY OF MECHANICAL
ENGINEERS, VOL.67, 1945, PP.613-620

032051 1945 ASME EXTENDED SURF
1FORCECONV

MC DONALD;C.F.

"GAS TURBINE RECUPERATOR TECHNOLOGY ADVANCEMENTS"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.
72-GT-32, 1972

032128 1972 ASME EXTENDED SURF
1FORCECONV

MC DONALD;C.F.

VRABLE;D.L.

VAN HAGEN;T.H.

KING;J.H.

SPRING;J.H.

"HEAT EXCHANGER DESIGN CONSIDERATIONS FOR HIGH-TEMPERATURE GAS-COOLED REACTOR (HTGR) PLANTS"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS, PAPER NO.80-HT-62, 1980

032256 1980 ASME EXTENDED SURF
1FORCECONV ROUGH SURF

MC QUISTON;F. TREE;D.R.

"HEAT TRANSFER AND FLOW FRICTION DATA FOR TWO FIN-TUBE SURFACES"

JOURNAL OF HEAT TRANSFER, VOL.93, 1971, PP.249-250
032031 1971 JHT EXTENDED SURF
1FORCECONV

MC QUISTON;F.C. TREE;D.R.

"OPTIMUM CONTINUOUS FIN-TUBE HEAT EXCHANGERS WITH FORCED CONVECTION"

INT'L. INSTITUTE OF REFRIGERATION, HEAT EXCHANGE IN REFRIG-
ERATING SYSTEMS", COMM.11&111, LONDON, 1970, PP.137-146
032097 1973 IIR EXTENDED SURF
1FORCECONV

MC QUISTON;F.C.

"CORRELATION OF HEAT, MASS, AND MOMENTUM TRANSPORT COEFFICIENTS FOR PLATE-FIN-TUBE HEAT TRANSFER FOR SURFACES WITH STAGGERED TUBE"

ASHRAE TRANSACTIONS, VOL.84, PART 1, 1978, PP.294-309
032240 1978 ASHRAE EXTENDED SURF
1FORCECONV MASSTRAN

MC QUISTON;F.C.

"HEAT, MASS, AND MOMENTUM TRANSFER DATA FOR FIVE PLATE-FIN-TUBE HEAT TRANSFER SURFACES"

ASHRAE TRANSACTIONS, VOL.84, PART 1, 1978, PP.266-293
032201 1978 ASHRAE EXTENDED SURF
1FORCECONV MASSTRAN

MC QUISTON;F.C.

"FINNED TUBE HEAT EXCHANGERS: STATE OF THE ART FOR THE AIR SIDE"

ASHRAE TRANSACTIONS, VOL.87, PART 1, 1981, PP.1077-1085
032263 1981 ASHRAE EXTENDED SURF
1FORCECONV

MEGLER;V.R.

"TEMPERATURE DISTRIBUTIONS AND HEAT TRANSFER CHARACTERISTICS OF A VEE-FIN ARRAY"

INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.18, 1975, PP.339-341
032035 1975 IJHMT EXTENDED SURF
1FORCECONV

MENNICKE;U.

"THE APPARENT OVERALL HEAT TRANSFER COEFFICIENT OF PLATE HEAT EXCHANGERS"

WAERME- UND STOFFUEBERTRAGUNG, VOL.5, 1972, PP.168-180
032042 1972 ** EXTENDED SURF
1FORCECONV

METZGER;D.E. BERRY;R.A. BRONSON;J.P.

"DEVELOPING HEAT TRANSFER IN RECTANGULAR DUCTS WITH STAGGERED ARRAYS OF SHORT PIN FINS"

JOURNAL OF HEAT TRANSFER, VOL.104, 1982, PP.700-706
032328 1982 JHT EXTENDED SURF
1FORCECONV

METZGER;D.E. FAN;Z.X. SHEPARD;W.B.

"PRESSURE LOSS AND HEAT TRANSFER THROUGH MULTIPLE ROWS OF SHORT PIN FINS"

HEAT TRANSFER 1982, VOL.3, HEMISPHERE PUBLISHING COMPANY, WASHINGTON, D.C., 1982, PP.137-142
032315 1982 VIIHTC EXTENDED SURF
1FORCECONV

METZGER;D.E. FAN;C.S. PENNINGTON;J.W.

"HEAT TRANSFER AND FLOW FRICTION CHARACTERISTICS OF VERY ROUGH TRANSVERSE RIBBED SURFACES WITH AND WITHOUT PIN FINS"

ASME-JSME THERMAL ENGINEERING JOINT CONFERENCE PROCEEDINGS, HONOLULU, HAWAII, MARCH 1983, VOL.1, PP.429-435
022365 1983 ** ROUGH SURF
1FORCECONV EXTENDED SURF

MICHIYOSHI;I. TAKAHASHI;O. YAMAGUCHI;K.

"RADIATIVE AND CONVECTIVE HEAT TRANSFER FROM TRANSVERSE-FINNED FUEL RODS"

AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO. 74-WA/HT-6, 1974
032063 1974 ASME EXTENDED SURF
1FORCECONV

MIETH;H.

"METHOD FOR HEAT TRANSFER CALCULATION OF HELICAL-WOUND FIN TUBES"

AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO. 70-PET-4, 1970
032030 1970 ASME EXTENDED SURF
1FORCECONV

MIGAI;V.K.

SHEMAYAKIN;V.N. MATSNEV;V.V.

ZHITOMIRSKAYA;I.V.

"HEAT TRANSFER ON STAGGERED SMOOTH- AND FINNED-TUBE BUNDLES IN FLUIDIZED-BED FURNACES AND IN MODEL BEDS"
HEAT TRANSFER - SOVIET RESEARCH, VOL.14, NO.3, 1982, PP. 113-118

142027 1982 HTSR COMPOUND TECH
1FORCECONV EXTENDED SURF ADDFORGASES

MIKULIN;E.I.

SHEVICH;Y.A.

POTAPOV;V.N.

"EFFICIENCY OF PERFORATED PLATE ARRAY HEAT EXCHANGERS"

CHEMICAL AND PETROLEUM ENGINEERING, VOL.15, NOS.5-6, 1979, PP.351-355
032293 1979 ** EXTENDED SURF
1FORCECONV

MILLER;E.R.

"PERFORMANCE OF LOW FIN TUBING IN ASPHALT SERVICE"

HEAT TRANSFER 1982, VOL.6, HEMISPHERE PUBLISHING COMPANY, WASHINGTON, D.C., 1982, PP.409-414
032313 1982 VIIHTC EXTENDED SURF
1FORCECONV

MIRKOVIC;Z.

"HEAT TRANSFER AND FLOW RESISTANCE CORRELATION OF HELICALLY FINNED TUBES IN CROSS FLOW OF STAGGERED TUBE BANKS"

HEAT EXCHANGERS: DESIGN AND THEORY SOURCEBOOK, SCRIPTA BOOK COMPANY, WASHINGTON, 1974, PP.559-584
032043 1972 ICHMT EXTENDED SURF
1FORCECONV

MIRTSCH;V.F.

ROETZEL;W.

"WAERMEUEBERGANG UND DRUCKVERLUST IN ROEHREN UND KANAELN MIT RAUHEN ODER VERGROEBERTEN OBERFLAECHEEN BEI EINPHASEN-ZWANGSKONVEKTION"

FORTSCHRITTE DER VERFAHRENSTECHNIK, VOL.18, 1980, PART A, PP.57-74
032255 1980 ** EXTENDED SURF
1FORCECONV

MOCHIZUKI;S.

YAGI;Y.

"HEAT TRANSFER AND FLOW FRICTION CHARACTERISTICS OF STRIP FINS"

HEAT TRANSFER JAPANESE RESEARCH, VOL. 6, NO. 3, 1977, PP. 36-59
032077 1977 HTRR EXTENDED SURF
1FORCECONV

MONDT;J.R.

SIEGLA;D.C.

"PERFORMANCE OF PERFORATED HEAT EXCHANGER SURFACES"

JOURNAL OF ENGINEERING FOR POWER, VOL.96, 1974, PP.81-86
032092 1974 ASME EXTENDED SURF
1FORCECONV

MONDT;J.R.

"EFFECTS OF NONUNIFORM PASSAGES ON DEEPFOLD HEAT EXCHANGER PERFORMANCE"

JOURNAL OF ENGINEERING FOR POWER, VOL.99, 1977, PP.657-663
032129 1976 ASME EXTENDED SURF
1FORCECONV

MONTAKHAB;A.

"WASTE HEAT DISPOSAL TO AIR WITH FORCED AND NATURAL

DRAFT: SOME ANALYTICAL DESIGN CONSIDERATIONS"

GENERAL ATOMIC COMPANY, REPORT NO. GA-A14371, MAY 1978

- 032124 1978 ** EXTENDED SURF
1 FORCECONV
- MONTAKHAB;A.
"ANALYSIS OF HEAT TRANSFER SURFACE GEOMETRIES FOR DRY COOLING TOWER APPLICATIONS"
JOURNAL OF ENGINEERING FOR POWER, VOL. 102, 1980, PP. 807-812
- 150050 1980 ** PERFORMANCE
1 FORCECONV EXTENDED SURF
- MOORE;F.K.
"ANALYSIS OF LARGE DRY COOLING TOWERS WITH SPINE-FIN HEAT EXCHANGER ELEMENTS"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO. 75-WA/HT-46, 1975
- 032072 1975 ASME EXTENDED SURF
1 FORCECONV
- MOORE;F.K. NDUBIZU;C.C.
"ANALYSIS OF LARGE DRY COOLING TOWERS WITH POWER-LAW HEAT EXCHANGER PERFORMANCE"
JOURNAL OF HEAT TRANSFER, VOL. 98, 1976, PP. 345-352
- 032007 1976 JHT EXTENDED SURF
1 FORCECONV
- MOORE;F.K.
"DRY COOLING TOWERS"
ADVANCES IN HEAT TRANSFER, VOL. 12, ACADEMIC PRESS, NEW YORK, 1976, PP. 1-75
- 000070 1976 AHT LITSURVEY
EXTENDED SURF 1 FORCECONV
- MOROZOV;V.G. OKUNEV B.F. RODNIKOV;V.P.
MOSKVICHEV;V.F. KRIVONOSOV;V.A. SVIRIDOV;N.M.
"AN EXPERIMENTAL STUDY ON THE DETERMINING FACTORS IN THE HEAT TRANSFER EFFICIENCY OF LONGITUDINALLY FINNED TUBES"
THERMAL ENGINEERING, VOL. 25, NO. 3, PP. 14-17
- 032230 1978 TENG EXTENDED SURF
1 FORCECONV
- MURTHY;J.Y. PATANKAR;S.V.
"A NUMERICAL STUDY OF HEAT TRANSFER FROM A ROTATING CYLINDER WITH EXTERNAL LONGITUDINAL FINS"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO. 83-HT-42, 1983
- 032353 1983 ASME EXTENDED SURF
1 FORCECONV
- NAGASHIMA;Y.
"AN EXPERIMENTAL STUDY ON HEAT TRANSFER AND PRESSURE DROP OF THE FINNED TUBE"
MITSUBI TECHNICAL REVIEW, NO. 36, 1961, PP. 19-25
- 032036 1961 ** EXTENDED SURF
1 FORCECONV
- NAKAYAMA;W. XII;L.P.
"ENHANCED FINS FOR AIR-COOLED HEAT EXCHANGERS--HEAT TRANSFER AND FRICTION FACTOR CORRELATIONS"
ASME-JSME THERMAL ENGINEERING JOINT CONFERENCE PROCEEDINGS, HONOLULU, HAWAII, MARCH 1983, VOL. 1, PP. 495-502
- 032338 1983 ** EXTENDED SURF
1 FORCECONV
- NATUSCH;H.J. BLENKE;H.
"WAERMEUEBERTRAGUNG AN RIPPENROEHREN IN GAS-FLIESSBETTEN"
VERFAHRENSTECHNIK, VOL. 7, 1973, PP. 293-296
- 142004 1973 ** COMPOUNDTECH
EXTENDED SURF ADDFORGASES 1 FORCECONV
- NATUSCH;H.J. BLENKE;H.
"ZUR WAERMEUEBERTRAGUNG AN HORIZONTAL EN LAENGSRIPPENROEHREN IN GAS-FLIESSBETTEN"
VERFAHRENSTECHNIK, VOL. 8, 1974, PP. 287-293
- 142014 1974 ** COMPOUNDTECH
EXTENDED SURF ADDFORGASES 1 FORCECONV
- NEAL;S.B.H.C. HITCHCOCK;J.A.
"A STUDY OF THE HEAT TRANSFER PROCESSES IN BANKS OF FINNED TUBES IN CROSS FLOW, USING A LARGE SCALE MODEL TECHNIQUE"
PROCEEDINGS OF THE THIRD INTERNATIONAL HEAT TRANSFER CONFERENCE, CHICAGO, ILLINOIS, 1966, VOL. 3, AMERICAN
- INSTITUTE OF CHEMICAL ENGINEERS, NEW YORK, 1966, PP. 290-298
- 032140 1966 ** EXTENDED SURF
1 FORCECONV
- NEVINS;J.W.
"SELECTION AND APPLICATION GUIDE---EXTENDED FIN HEAT EXCHANGERS"
PLANT ENGINEERING, VOL. 16, NO. 9, 1962, PP. 119-122
- 032032 1962 ** EXTENDED SURF
1 FORCECONV
- NORRIS;R.H. SPOFFORD;W.A.
"HIGH-PERFORMANCE FINS FOR HEAT TRANSFER"
TRANSACTIONS OF THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS JULY 1942, PP. 489-496
- 032132 1942 ASME EXTENDED SURF
1 FORCECONV
- NOSETAN;T. SATO;S.
"DETERMINATION OF OVERALL HEAT TRANSFER COEFFICIENT OF FLUTED TUBES"
SUMITOMO LIGHT METAL TECHNICAL REPORTS, VOL. 17, NO. 1, NO. 2, 1976, PP. 54-60
- 035065 1976 ** EXTENDED SURF
CONDENSATION 1 FORCECONV FLOBOIL
- OKAMOTO;Y. NEGOTA;S.
"HIGH TEMPERATURE GAS LOOP AND EXPERIMENTS OF FINNED FUEL-ELEMENTS"
BULLETIN OF THE JAPAN SOCIETY OF MECHANICAL ENGINEERS, VOL. 8, NO. 33, 1966, PP. 166-174
- 032060 1966 BJSME EXTENDED SURF
1 FORCECONV
- ORNATSKII;A.P. SHCHERBAKOV;V.K. SEMENA;M.G.
"INVESTIGATION OF HEAT TRANSFER IN CHANNELS BETWEEN FINS OF TUBES WITH INTERNAL LONGITUDINAL FINS"
THERMAL ENGINEERING, VOL. 17, 1970, PP. 96-100
- 032018 1970 TENG EXTENDED SURF
1 FORCECONV
- ORNATSKII;A.P. SHCHERBAKOV;V.K. SEMENA;M.G.
"A METHOD FOR COMPUTING THE TEMPERATURE AND SELECTING THE CROSS SECTION GEOMETRY OF PIPES WITH INTERNAL FINS"
HEAT TRANSFER - SOVIET RESEARCH, VOL. 7, NO. 5, 1975, PP. 126-133
- 032184 1975 HTSR EXTENDED SURF
1 FORCECONV
- ORNATSKII;A.P. SMAGINA;Y.M. FEDORCHENKO;L.V.
"HEAT TRANSFER FROM AND DRAG OF CYLINDRICAL RADIATORS WITH LONGITUDINAL WIRE-LOOP FINNING"
HEAT TRANSFER - SOVIET RESEARCH, VOL. 7, NO. 5, 1975, PP. 121-125
- 032218 1975 HTSR EXTENDED SURF
1 FORCECONV
- ORNAISKII;A.P. SMAGINA;Y.M.
"HEAT TRANSFER FROM A PLATE WITH WIRE LOOP FINS TO FORCED FLOW OF AIR IN A WIDE CHANNEL"
HEAT TRANSFER - SOVIET RESEARCH, VOL. 2, NO. 1, 1970, PP. 70-76
- 032138 1970 HTSR EXTENDED SURF
1 FORCECONV
- PALCHENOK;G.I. TAMARIN;A.I. ZABRODSKIY;S.S.
"HEAT EXCHANGE BETWEEN HORIZONTAL FINNED TUBE AND A FLUIDIZED BED OF COARSE PARTICLES"
ABSTRACT FROM THE SIXTH ALL-UNION HEAT AND MASS TRANSFER CONFERENCE, MINSK, USSR, 1980, HEAT TRANSFER - SOVIET RESEARCH, VOL. 14, NO. 1, 1982, P. 134
- 142028 1982 HTSR COMPOUNDTECH
1 FORCECONV EXTENDED SURF ADDFORGASES
- PARKER;K.O. COOMBS;M.G.
"NEW DEVELOPMENTS IN COMPACT PLATE-FIN HEAT EXCHANGERS"
COMPACT HEAT EXCHANGERS - HISTORY, TECHNOLOGICAL ADVANCEMENT AND MECHANICAL DESIGN PROBLEMS, VOL. 10, ASME, NEW YORK, 1980, PP. 171-179
- 032281 1980 ** EXTENDED SURF
1 FORCECONV
- PATANKAR;S.V. IVANOVIC;M. SPARROW;E.M.

- "ANALYSIS OF TURBULENT FLOW AND HEAT TRANSFER IN INTERNALLY FINNED TUBES AND ANNULI"
JOURNAL OF HEAT TRANSFER, VOL.101, 1979, PP.29-37
032189 1978 JHT EXTENDED SURF
1FORCECONV
- PATANKAR;S.V. PRAKASH;C.
"AN ANALYSIS OF THE EFFECT OF PLATE THICKNESS ON LAMINAR FLOW AND HEAT TRANSFER IN INTERRUPTED-PLATE PASSAGES"
ADVANCES IN ENHANCED HEAT TRANSFER-1981, HTD VOL. 18, AMERICAN SOCIETY OF MECHANICAL ENGINEERS, NEW YORK, 1981, PP. 51-59
032273 1981 ASME EXTENDED SURF
1FORCECONV
- PATANKAR;S.V. PRAKASH;C.
"AN ANALYSIS OF THE EFFECT OF PLATE THICKNESS ON LAMINAR FLOW AND HEAT TRANSFER IN INTERRUPTED-PLATE PASSAGES"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.24, 1981, PP.1801-1810
032290 1981 IJHMT EXTENDED SURF
1FORCECONV
- PIMENTA;M.M. MOFFAT;R.J. KAYS;W.M.
"THE TURBULENT BOUNDARY LAYER: AN EXPERIMENTAL STUDY OF THE TRANSPORT OF MOMENTUM AND HEAT WITH THE EFFECT OF ROUGHNESS"
DEPARTMENT OF MECHANICAL ENGINEERING, STANFORD UNIVERSITY, REPORT NO.HTM-21,MAY,1975
032080 1975 ** EXTENDED SURF
1FORCECONV
NHC
- PISOLKAR;V.G.
"HEAT TRANSFER CHARACTERISTICS OF STUDDED CYLINDERS"
THE ENGINEER, DECEMBER 1966, PP.978-979
032190 1966 ** EXTENDED SURF
1FORCECONV
- PREECE;R.J. HITCHCOCK;J.A.
"COMPARATIVE PERFORMANCE CHARACTERISTICS OF SOME EXTENDED SURFACES FOR AIR-COOLER APPLICATIONS"
THE CHEMICAL ENGINEER, JUNE 1972, PP.238-244
032115 1972 ** EXTENDED SURF
1FORCECONV
- PRESSER;K.H.
"EXPERIMENTELLE PRUEFUNG DER ANALOGIE ZWISCHEN KONVEKTIVER WAERME- UND STOFFUEBERTRAGUNG AN EINEM PFEILRIPPENROHR"
CHEMIE - INGENIEUR - TECHNIK, VOL.41, 1969, PP.1176-1181
032073 1969 ** EXTENDED SURF
1FORCECONV MASSTRAN
- PRESSER;K.H. HARTH;R.
"HEAT TRANSFER AND PRESSURE DROP OF TUBES WITH HERRINGBONE, TRANSVERSE, AND LONGITUDINAL FINNED TUBES FOR GAS COOLED FUEL ELEMENTS"
ATOMKERNENERGIE, VOL.15, 1970, PP.217-226
032181 1970 ** EXTENDED SURF
1FORCECONV
- PRIEBE;S.J.
"HEAT TRANSFER FROM A HORIZONTAL BUNDLE OF FINNED TUBES TO AN AIR FLUIDIZED BED"
PH.D. THESIS, MONTANA STATE UNIVERSITY, 1975
142005 1975 ** COMPOUNDTECH
ADDFORGASES EXTENDED SURF 1FORCECONV
- PUER;A.E. KUNTYSH;V.B.
"ON THE INFLUENCE OF GEOMETRICAL ARRANGEMENTS OF FINNED TUBE IN AIR COOLER TUBE BUNDLE ON HEAT TRANSFER AND PRESSURE DROP"
IZV. VYSSH. UCHEBEN. ZAVED., NEFT I GAZ., NO.5, 1979, PP. 87-90
032317 1979 ** EXTENDED SURF
1FORCECONV
- QUAYLE;J.P.
"IMPROVING HEAT TRANSFER"
ENGINEERING MATERIALS AND DESIGN, VOL.12, 1969, PP.1496-1500
032175 1969 ** EXTENDED SURF
1FORCECONV
- RABAS;T.J. ECKELS;P.W.
"HEAT TRANSFER AND PRESSURE DROP PERFORMANCE OF SEGMENTED SURFACE TUBE BUNDLES"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.75-HT-45, 1975
032086 1975 ASME EXTENDED SURF
1FORCECONV
- RABAS;T.J. ECKELS;P.W. SABATINO;R.A.
"THE EFFECT OF FIN DENSITY ON THE HEAT TRANSFER AND PRESSURE DROP PERFORMANCE OF LOW FINNED TUBE BANKS"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.80-HT-97, 1980
032248 1980 ASME EXTENDED SURF
1FORCECONV
- RABAS;T.J. ECKELS;P.W. SABATINO;R.A.
"THE EFFECT OF FIN DENSITY ON THE HEAT TRANSFER AND PRESSURE DROP PERFORMANCE OF LOW FINNED TUBE BANKS"
CHEMICAL ENGINEERING COMMUNICATIONS, VOL.10, NO.1-3, 1981, PP.127-147
032323 1981 ** EXTENDED SURF
1FORCECONV
- RAJASEKARAN;R. LITTLE;P.A.
"A COMPACT DESIGN OF SHELL AND TUBE HEAT EXCHANGERS"
JOURNAL OF HEAT TRANSFER, VOL.96, 1974, PP.562-564
032091 1974 JHT EXTENDED SURF
1FORCECONV
- RAPLEY;C.W. WEBB;A.I.C.
"HEAT TRANSFER PERFORMANCE OF CERAMIC REGENERATOR MATRICES WITH SINE-DUCT SHAPED PASSAGES"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.26, 1983, PP.805-814
032344 1983 IJHMT EXTENDED SURF
1FORCECONV
- RAZELOS;P.
"THE OPTIMUM DIMENSIONS OF CONVECTIVE PIN FINNED TUBES"
JOURNAL OF HEAT TRANSFER, VOL.105, 1983, PP.411-413
032346 1983 JHT EXTENDED SURF
1FORCECONV 1NATCONV
- RICH;D.G.
"THE EFFECTS OF FIN SPACING ON THE HEAT TRANSFER AND FRICTION PERFORMANCE OF MULTI-ROW, SMOOTH PLATE FIN-AND-TUBE HEAT EXCHANGERS"
ASHRAE TRANSACTIONS, VOL.79, PART2, 1973, PP.137-145
032104 1973 ASHRAE EXTENDED SURF
1FORCECONV
- RICH;D.G.
"EFFECT OF THE NUMBER OF TUBE ROWS ON HEAT TRANSFER PERFORMANCE OF SMOOTH PLATE FIN-AND-TUBE HEAT EXCHANGERS"
ASHRAE TRANSACTIONS, VOL.81, PART1, 1975, PP.307-319
032170 1975 ASHRAE EXTENDED SURF
1FORCECONV
- RIDDELL;R.A.
"HEAT TRANSFER AND FLOW FRICTION CHARACTERISTICS OF A PLATE-FIN TYPE CROSS-FLOW HEAT EXCHANGER WITH PERFORATED FINNED TUBES"
M.S. THESIS IN MECHANICAL ENGINEERING, U.S. NAVAL POSTGRADUATE SCHOOL, AD487 413, 1966
032160 1966 ** EXTENDED SURF
1FORCECONV
- ROSENBLAD;G. KULLENDORF;A.
"ESTIMATING HEAT TRANSFER RATES FROM MASS TRANSFER STUDIES ON PLATE HEAT EXCHANGER SURFACES"
WAERME- UND STOFFUEBERTRAGUNG, VOL.8, 1975, PP.187-191
032149 1975 ** EXTENDED SURF
1FORCECONV ROUGHSURF MASSTRAN
- ROUNTHWAITE;C. CHERRETT;N.
"HEAT TRANSFER AND PRESSURE DROP PERFORMANCE OF HELICALLY FINNED TUBES IN STAGGERED CROSS-FLOW"
THERMODYNAMICS AND FLUID MECHANICS CONVENTION, PAPER 23, CAMBRIDGE, ENGLAND, APRIL 1964
032237 1964 ** EXTENDED SURF
1FORCECONV
NHC

RUDENKO; I.M. SPOOYRYAK; N.T.
 "OPTIMUM GEOMETRIES OF WAVE-SHAPED AIR PREHEATER TUBES"
 HEAT TRANSFER - SOVIET RESEARCH, VOL.7, NO.4, 1975, PP.48-53
 032225 1975 HTSR EXTENDED SURF
 1FORCECONV

RUSSELL; C.M.B.
 "THE DEVELOPMENT OF A HIGH PERFORMANCE HEAT TRANSFER
 SURFACE"
 HEAT EXCHANGERS, THERMAL-HYDRAULIC FUNDAMENTALS AND
 DESIGN, HEMISPHERE PUBLISHING CORPORATION, WASHINGTON,
 AND MC GRAW-HILL BOOK COMPANY, NEW YORK, 1981, PP.843-855
 032362 1981 ** EXTENDED SURF
 1FORCECONV

RUSSELL; J.R. CARNAVOS; T.C.
 "AN EXPERIMENTAL STUDY: COOLING AIR IN TURBULENT FLOW WITH
 INTERNALLY FINNED TUBES"
 CHEMICAL ENGINEERING PROGRESS, VOL.73, NO.2, 1977, PP.84-88
 032076 1976 CEP EXTENDED SURF
 1FORCECONV

SABERSKY; R.H.
 "RAPPORT ON FORCED CONVECTION 6 (PROMOTERS, ROUGH SURFACES,
 WITH INJECTION)"
 HEAT TRANSFER 1974, SCRIPTA BOOK COMPANY, VOL.6, 1974,
 PP.180-184
 000123 1974 VIHTC LITSURVEY
 ROUGHSURF EXTENDED SURF DISPENHDEVICE INJECTORSUCT
 1FORCECONV

SARIN; C.M. POPPENDICK; H.F. CONNELLY; D.J.
 "NUCLEATING VAPORIZATION AND EXTENDED SURFACE HEAT TRANSFER
 AT LOW TEMPERATURE DIFFERENCE"
 GEOSCIENCE LTD., REPORT GLR-165, SOLANA BEACH, CALIFORNIA,
 1976
 022268 1976 ** ROUGHSURF
 1FORCECONV FLOBOIL EXTENDED SURF
 NHC

SABOYA; F.E.M. SPARROW; E.M.
 "LOCAL AND AVERAGE HEAT TRANSFER COEFFICIENTS FOR ONE-ROW
 PLATE FIN AND TUBE HEAT EXCHANGER CONFIGURATIONS"
 JOURNAL OF HEAT TRANSFER, VOL.96, 1974, PP.265-272
 032098 1974 JHT EXTENDED SURF
 1FORCECONV

SABOYA; F.E.M. SPARROW; E.M.
 "TRANSFER CHARACTERISTICS OF TWO-ROW PLATE FIN AND TUBE HEAT
 EXCHANGER CONFIGURATIONS"
 INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.19,
 1976, PP.41-49
 032099 1976 IJHMT EXTENDED SURF
 1FORCECONV MASSTRAN

SABOYA; F.E.M. SPARROW; E.M.
 "EXPERIMENTS ON A THREE-ROW FIN AND TUBE HEAT EXCHANGER"
 JOURNAL OF HEAT TRANSFER, VOL.98, 1976, PP.520-522
 032100 1976 JHT EXTENDED SURF
 1FORCECONV MASSTRAN

SAID; M.N.A. TRUPP; A.C.
 "PREDICTIONS OF TURBULENT FLOW AND HEAT TRANSFER IN
 INTERNALLY FINNED TUBES"
 AMERICAN INSTITUTE OF CHEMICAL ENGINEERS SYMPOSIUM
 SERIES, NO.225, VOL.79, 1983, P.34
 032348 1983 AICHESS EXTENDED SURF
 1FORCECONV

SAID; M.N.A.-L.A.
 "PREDICTIONS AND MEASUREMENTS OF FULLY DEVELOPED TURBULENT
 FLOW IN LONGITUDINAL INTERNALLY FINNED TUBES"
 DISSERTATION, UNIVERSITY OF MANITOBA, CANADA, 1981
 032304 1981 ** EXTENDED SURF
 1FORCECONV

SANDBRINK; J. STEGEMANN; D.
 "UNTERSUCHUNGEN ZUM DYNAMISCHEN VERHALTEN VON
 RIPPENROHRWAERMEAUSTAUSCHERN"
 VGB KRAFTWERKSTECHNIK, VOL.61, 1981, PP.741-746
 032324 1981 ** EXTENDED SURF

1FORCECONV

SANE; N.K. DABIR; M.C. JOG; V.S.
 "SOME INVESTIGATIONS ON INDENTED TUBE HEAT EXCHANGERS"
 PROCEEDINGS FIFTH NATIONAL HEAT AND MASS TRANSFER
 CONFERENCE, HYDERABAD, INDIA, FEBRUARY 1980
 022303 1980 ** EXTENDED SURF
 1FORCECONV
 NHC

SAUER; H.J. BURFORD; L.W.
 "HEAT TRANSFER COEFFICIENTS AND FRICTION FACTORS FOR
 LONGITUDINALLY GROOVED TUBES"
 JOURNAL OF HEAT TRANSFER, VOL.91, 1969, PP.455-457
 032016 1969 JHT EXTENDED SURF
 1FORCECONV

SAUNDERS; E.A.D.
 "EXTENDED SURFACES"
 INST. CHEM. ENG., HEAT TRANSFER IN THE PROCESS INDUSTRIES
 COURSE, U. BRADFORD, SEPTEMBER 1977
 032224 1977 ICE EXTENDED SURF
 1FORCECONV
 NHC

SAVERY; C.W. BHATTI; M.S.
 "THEORY OF AUGMENTED HEAT TRANSFER OVER FINNED SURFACES BY
 FOGGING"
 WORKSHOP ON DRY COOLING SYSTEMS, FRANKLIN INSTITUTE RESEARCH
 LABORATORIES, PHILADELPHIA, JULY 1975, PP.11-1 - 11-2
 142008 1975 ** COMPOUNDTECH
 1FORCECONV EXTENDED SURF ADDFORGASES

SCHMIDT; T.E.
 "HEAT TRANSFER CALCULATION FOR EXTENDED SURFACES"
 REFRIGERATING ENGINEERING, VOL.57, 1949, PP.351-357
 032027 1949 ** EXTENDED SURF
 1FORCECONV

SCHMIDT; T.E.
 "DER WÄRMEÜBERGANG AN RIPPENROHREN UND DIE BERECHNUNG VON
 ROHRBUDEL-WÄRME AUSTAUSCHERN"
 KÄLTETECHNIK, VOL.15, 1963, PP.98-102, 370-378
 032094 1963 ** EXTENDED SURF
 1FORCECONV

SCHOLAND; E. KREMER; H.
 "HEAT TRANSFER TO FINNED TUBES EXPOSED TO HOT WASTE GAS"
 GAS WÄRME INTERNATIONAL, VOL.24, NO.5, 1975, PP.199-208
 032041 1975 ** EXTENDED SURF
 1FORCECONV

SCHRYBER; E.A.
 "HEAT TRANSFER COEFFICIENTS AND OTHER DATA ON INDIVIDUAL
 SEPARATE FINNED SURFACE"
 TRANSACTIONS OF THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS
 VOL.67, 1945, PP.683-686
 032122 1945 ASME EXTENDED SURF
 1FORCECONV

SCHULENBERG; F.J.
 "FINNED ELLIPTICAL TUBES AND THEIR APPLICATION IN AIR-
 COOLED HEAT EXCHANGERS"
 JOURNAL OF ENGINEERING FOR INDUSTRY, VOL.88, 1966,
 PP.179-190
 032028 1966 ** EXTENDED SURF
 1FORCECONV

SFNSHII; T. HATADA; T. ISHIBANE; K.
 "SURFACE HEAT TRANSFER COEFFICIENTS OF FINS USED IN AIR-
 COOLED HEAT EXCHANGERS"
 HEAT TRANSFER-JAPANESE RESEARCH, VOL. 8, NO. 4, 1979,
 PP. 16-26
 032274 1979 HTJR EXTENDED SURF
 1FORCECONV

SHAH; R.
 "TEMPERATURE EFFECTIVENESS OF MULTIPLE SANDWICH RECTANGULAR
 PLATE-FIN SURFACES"
 JOURNAL OF HEAT TRANSFER, VOL.93, 1971, PP.471-473
 032057 1971 JHT EXTENDED SURF
 1FORCECONV

- SHAH;R.K. OSBORN;H.H.
"PERFORATED HEAT EXCHANGER SURFACES. PART 2 - HEAT TRANSFER
AND FLOW FRICTION CHARACTERISTICS"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.
75-WA/HT-9, 1975
022134 1975 ASME ROUGHSURF
1FORCECONV EXTENDED SURF
- SHAH;R.K. LONDON;A.L.
"LAMINAR FLOW FORCED CONVECTION HEAT TRANSFER AND FLOW
FRICTION IN STRAIGHT AND CURVED DUCTS - A SUMMARY OF ANALY-
TICAL SOLUTIONS"
DEPARTMENT OF MECHANICAL ENGINEERING, STANFORD UNIVERSITY,
TECHNICAL REPORT NO. 75, AD-736260, NOVEMBER 1971
162060 1971 ** COILED TUBE
1FORCECONV EXTENDED SURF LITSURVEY
- SHAH;R.K.
"COMPACT HEAT EXCHANGER SURFACE SELECTION METHODS"
HEAT TRANSFER 1978, VOL.4, HEMISPHERE PUBLISHING COMPANY:
WASHINGTON, D.C., 1978, PP.193-200
032222 1978 VIIHTC EXTENDED SURF
1FORCECONV
- SHAH;R.K. LONDON;A.L.
"LAMINAR FORCED CONVECTION IN DUCTS"
ADVANCES IN HEAT TRANSFER, ACADEMIC PRESS, NEW YORK, 1978
PP.366-384
000071 1978 ** LITSURVEY
EXTENDED SURF SWIRLFLO 1FORCECONV
- SHCHERBAKOV;V.K. SEMEN;V.K.
"DETERMINING THE MAXIMUM TEMPERATURE OF THE WALL AND THE
GEOMETRICAL DIMENSIONS OF TUBES WITH INTERNAL LONGITUDINAL
FINS"
TEPLOENERGETIKA, VOL.17, NO.9, 1969, PP.70-73
032070 1970 TE EXTENDED SURF
1FORCECONV
- SHCHERBAKOV;V.K. BOSY;V.V.
"FIN SELECTION CRITERIA AND THE EFFECT OF FINS ON THE
TEMPERATURE OF THE COOLED WALL"
HEAT TRANSFER - SOVIET RESEARCH, VOL.6, NO.6, 1974, PP.
148-154
032354 1974 HTSR EXTENDED SURF
1FORCECONV
- SHEPHERD;D.G.
"PERFORMANCE OF ONE-ROW TUBE COILS WITH THIN-PLATE FINS, LOW
VELOCITY FORCED CONVECTION"
ASHRAE TRANSACTIONS, VOL.62, 1956, PP.505-530
032105 1956 ASHRAE EXTENDED SURF
1FORCECONV
- SHERWIN;K.
"DEVELOPMENT OF FINNED TUBES FOR FORCED-DRAUGHT AIR-
COOLED HEAT EXCHANGERS"
INSTITUTION OF MECHANICAL ENGINEERS CONFERENCE ON RECENT
DEVELOPMENTS IN COMPACT HIGH DUTY HEAT EXCHANGERS, LONDON,
PAPER NO.C121, OCTOBER 12, 1972
032021 1972 ** EXTENDED SURF
1FORCECONV
- SHERWIN;K.
"THE PERFORMANCE OF FINNED TUBES WITH HELICALLY WOUND
CORRUGATED FINS"
REGENERATIVE AND RECUPERATIVE HEAT EXCHANGERS, HTD-VOL. 21,
ASME, NEW YORK, 1981, PP. 11-16
032287 1981 ** EXTENDED SURF
1FORCECONV
- SHING-AN;W.
"AN EXPERIMENTAL STUDY OF CORRUGATED STEEL SHEET SOLAR
WATER HEATER"
- SOLAR ENERGY, VOL.23, 1979, PP.333-341
032306 1979 ** EXTENDED SURF
1FORCECONV
- SHMERKOVICH;V.M.
"NEW AIR-COOLED SYSTEMS"
CHEMICAL AND PETROLEUM ENGINEERING, VOL.5-6, 1969, PP.355-35
032180 1969 CPE EXTENDED SURF
1FORCECONV
- SHUARTS;V.A.
"CHARACTERISTICS OF FINNED TUBULAR HEAT EXCHANGER SURFACES"
ENERGOMASHIISTROENIE, NO.9, 1963, PP.22-28
032238 1963 ** EXTENDED SURF
1FORCECONV
- SMITH;M.C.
"PERFORMANCE ANALYSIS AND MODEL EXPERIMENTS FOR
LOUVERED FIN EVAPORATOR CORE DEVELOPMENT"
SOCIETY OF AUTOMOTIVE ENGINEERS, INC. PAPER 720078, 1972
032133 1972 SAE EXTENDED SURF
1FORCECONV
- SOLIMAN;H.M. FEINGOLD;A.
"HEAT TRANSFER, PRESSURE DROP, AND PERFORMANCE EVALUATION OF
A QUINTUPLEX INTERNALLY FINNED TUBE"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.77-HT-46,
1977
032004 1977 ASME EXTENDED SURF
1FORCECONV
- SOLIMAN;H.M. FEINGOLD;A.
"ANALYSIS OF HEAT TRANSFER IN INTERNALLY FINNED TUBES UNDER
LAMINAR FLOW CONDITIONS"
HEAT TRANSFER 1978, VOL.2, HEMISPHERE PUBLISHING
CORPORATION, 1978, PP.571-576
032193 1978 VIIHTC EXTENDED SURF
1FORCECONV
- SOLIMAN;H.M.
"THE EFFECT OF FIN MATERIAL ON LAMINAR HEAT TRANSFER
CHARACTERISTICS OF INTERNALLY FINNED TUBES"
ADVANCES IN ENHANCED HEAT TRANSFER, AMERICAN SOCIETY OF
MECHANICAL ENGINEERS, NEW YORK, 1979, PP.95-102
032244 1979 ASME EXTENDED SURF
1FORCECONV
- SOLIMAN;H.M.
"THE EFFECT OF FIN CONDUCTANCE ON LAMINAR HEAT TRANSFER
CHARACTERISTICS OF INTERNALLY FINNED TUBES"
THE CANADIAN JOURNAL OF CHEMICAL ENGINEERING, VOL.59, NO.2,
1981, PP.251-256
032270 1981 ** EXTENDED SURF
1FORCECONV
- SONN;A. BAR-COHN;A.
"OPTIMUM CYLINDRICAL PIN FIN"
JOURNAL OF HEAT TRANSFER, VOL.103, 1981, PP.814-815
032289 1981 JHT EXTENDED SURF
1FORCECONV
- SPARROW;E.M. RAMSAY;J.W.
"HEAT TRANSFER AND PRESSURE DROP FOR A STAGGERED
WALL-ATTACHED ARRAY OF CYLINDERS WITH TIP CLEARANCE"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.21, 1978
PP. 1369-1377
032241 1978 IJHMT EXTENDED SURF
1FORCECONV
- SPARROW;E.M. BALIGA;B.R. PATANKAR;S.V.
"HEAT TRANSFER AND FLUID FLOW ANALYSIS OF INTERRUPTED-WALL
CHANNELS, WITH APPLICATION TO HEAT EXCHANGERS"
JOURNAL OF HEAT TRANSFER, VOL.99, 1977, PP.4-11
DISCUSSION VOL.101, 1979, PP.188-189
032151 1977 JHT EXTENDED SURF
1FORCECONV
- SPARROW;E.M. LEE;L.
"EFFECTS OF FIN BASE-TEMPERATURE DEPRESSION IN A MULTIFIN
ARRAY"
JOURNAL OF HEAT TRANSFER, VOL.97, 1975, PP.463-465
032185 1975 JHT EXTENDED SURF

1FORCECONV

SPARROW;E.M. LIU;C.H.
 "HEAT TRANSFER, PRESSURE DROP AND PERFORMANCE RELATIONSHIP
 FOR IN-LINE, STAGGERED AND CONTINUOUS PLATE HEAT EXCHANGERS"
 INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.22,1979
 PP.1613-1625
 032250 1979 IJHMT EXTENDED SURF
 1FORCECONV

SPARROW;E.M. CHUKAEV;A.
 "FORCED-CONVECTION HEAT TRANSFER IN A DUCT HAVING SPANWISE-
 PERIODIC RECTANGULAR PROTUBERANCES"
 NUMERICAL HEAT TRANSFER, VOL. 3, NO. 2, 1980, PP. 149-167
 032271 1980 ** EXTENDED SURF
 1FORCECONV

SPARROW;E.M. HALILOO;A.
 "MEASUREMENTS OF HEAT TRANSFER AND PRESSURE DROP FOR AN
 ARRAY OF STAGGERED PLATES ALIGNED PARALLEL TO AN AIR FLOW"
 JOURNAL OF HEAT TRANSFER, VOL. 102, NO. 3, 1980, PP. 426-432
 032272 1980 JHT EXTENDED SURF
 1FORCECONV

SPARROW;E.M. LARSON;E.D.
 "HEAT TRANSFER FROM PIN-FINS SITUATED IN AN ONCOMING
 LONGITUDINAL FLOW WHICH TURNS TO CROSSFLOW"
 INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.25,
 1982, PP.603-614
 032292 1982 IJHMT EXTENDED SURF
 1FORCECONV

SPARROW;E.M. BALIGA;B.R. PATANKAR;S.V.
 "FORCED CONVECTION HEAT TRANSFER FROM A SHROUDED FIN
 ARRAY WITH AND WITHOUT TIP CLEARANCE"
 JOURNAL OF HEAT TRANSFER, VOL.100, 1978, PP.572-579
 032350 1978 JHT EXTENDED SURF
 1FORCECONV

STACHIEWICZ;J.W.
 "EFFECT OF LOCAL FILM COEFFICIENTS ON FIN PERFORMANCE"
 JOURNAL OF HEAT TRANSFER, VOL.91, 1969, PP.21-26
 032119 1969 JHT EXTENDED SURF
 1FORCECONV

STASIULEVICIUS;J. SKRINSKA;A.
 "HEAT TRANSFER IN BANKS OF FINNED TUBES IN CROSSFLOW"
 IN THERMOPHYSICS 6, EDITED BY A. ZUKAUSKAS, VILNIUS,
 USSR, 1974
 032081 1974 ** EXTENDED SURF
 1FORCECONV
 NHC

STASIULEVICIUS;J. SURVILA;V.
 "HEAT TRANSFER AND HYDRAULIC DRAG OF BANKS OF FINNED TUBES
 AT HIGH REYNOLDS NUMBERS"
 HEAT TRANSFER 1974, VOL.11, JAPAN SOCIETY OF MECHANICAL
 ENGINEERS, TOKYO, 1974, PP.249-253
 032171 1974 VIHJ EXTENDED SURF
 1FORCECONV

STASIULEVICIUS;J. SKRINSKA;A. SURVILA;V.
 SAMOSKA;P.
 "HEAT TRANSFER AND PRESSURE DROP IN FLOW TRANSVERSE ACROSS
 BUNDLES OF FINNED TUBES"
 HEAT TRANSFER - SOVIET RESEARCH, VOL.5, NO.6, 1973, PP.19-33
 032182 1973 HTSR EXTENDED SURF
 1FORCECONV

STRUMPF;H.J.
 "CERAMIC HEAT PIPES FOR HIGH-TEMPERATURE HEAT RECOVERY"
 JOURNAL OF HEAT RECOVERY SYSTEMS, VOL.2, NO.2, 1982, PP.
 189-199
 032355 1982 ** EXTENDED SURF
 1FORCECONV

SUBBOTIN;V.I. USHAKOV;P.A. SCHEININA;A.B.
 "PRESSURE DROP IN NARROW ANNULAR CHANNELS WITH SPIRAL FIN"
 ATOMNAYA ENERGIYA, VOL.21, NO.1, 1966, PP.13-16
 032008 1966 ** EXTENDED SURF
 1FORCECONV

SURYANARAYANA;N.V.

"TWO-DIMENSIONAL EFFECTS ON HEAT TRANSFER RATES FROM AN
 ARRAY OF STRAIGHT FIN"
 JOURNAL OF HEAT TRANSFER, VOL.99, 1977, PP.129-132
 032143 1977 JHT EXTENDED SURF
 1FORCECONV

TABOREK;J.
 "DESIGN METHODS FOR HEAT TRANSFER EQUIPMENT - A CRITICAL
 SURVEY OF THE STATE-OF-THE-ART"
 HEAT EXCHANGERS: DESIGN AND THEORY SOURCEBOOK, SCRIPTA
 BOOK COMPANY, WASHINGTON, 1974, PP.45-74
 032049 1972 ICHMT EXTENDED SURF
 1FORCECONV

TARNOWSKA-TIERLING;A. KABAT;M.
 "INVESTIGATIONS INTO HIGH EFFICIENT HEAT EXCHANGERS MADE OF
 ELLIPTIC TUBES WITH FLAT PLATE FIN"
 CHOLODNICTWO, VOL.14, NO.8, 1979, PP.8-11
 032308 1979 ** EXTENDED SURF
 1FORCECONV

TARNOWSKA-TIERLING;A. KABAT;M.
 "AN ATTEMPT OF APPRECIATION OF MATERIAL AND SHAPE OF FINNED
 AREA EFFECT ON THERMODYNAMIC AND TECHNICAL COEFFICIENTS OF
 HEAT EXCHANGERS"
 CHOLODNICTWO, VOL.14, NO.9, 1979, PP.13-16
 032309 1979 ** EXTENDED SURF
 1FORCECONV

THEOCLITUS;G.
 "HEAT TRANSFER AND FRICTION WITH PIN FIN SURFACES"
 JOURNAL OF HEAT TRANSFER, VOL.88, 1966, PP.383-390
 032037 1966 JHT EXTENDED SURF
 1FORCECONV

THOMAS;D.G. HAYES;P.H.
 "HIGH PERFORMANCE HEAT TRANSFER SURFACES"
 INDUSTRIAL AND ENGINEERING CHEMISTRY, VOL.62, NO.2, 1970,
 PP.4-9
 035017 1970 IEC EXTENDED SURF
 SWIRL FIN ROUGHSURF CONDENSATION 1FORCECONV

TISHCHENKO;Z.V. BUTSKIY;N.D.
 "INVESTIGATION OF HEAT TRANSFER AND DRAG IN GAS FLOW IN
 RECTANGULAR DUCTS CONTAINING A SINGLE FIN"
 HEAT TRANSFER - SOVIET RESEARCH, VOL.8, NO.3, 1976,
 PP.117-121
 032194 1976 HTSR EXTENDED SURF
 1FORCECONV

TISHCHENKO;Z.V. BUTSKII;N.D.
 "INVESTIGATION OF HEAT TRANSFER AND DRAG DURING
 FLOW OF A GAS IN A RECTANGULAR CHANNEL WITH A SINGLE FIN"
 INTERNATIONAL CHEMICAL ENGINEERING, VOL.17, 1977, PP.498-504
 032074 1977 ICE EXTENDED SURF
 1FORCECONV

TISHCHENKO;Z.V. BONDARENKO;V.N. GOLECHEK;L.I.
 "HEAT TRANSFER AND PRESSURE DROP IN GAS-CARRYING DUCTS
 FORMED BY SMOOTH-FINNED PLATE-TYPE HEAT-EXCHANGE SURFACES"
 HEAT TRANSFER - SOVIET RESEARCH, VOL.11, NO.5, 1979, PP.
 117-124
 032267 1979 HTSR EXTENDED SURF
 1FORCECONV

TOLUBINSKY;V.I. ZOZULYA;N.V.
 "APPLICATION OF HEAT TRANSFER FINNED SURFACES IN HIGH
 TEMPERATURE HEAT EXCHANGERS"
 HEAT EXCHANGERS: DESIGN AND THEORY SOURCEBOOK, SCRIPTA
 BOOK COMPANY, WASHINGTON, 1974, PP.585-600
 032052 1974 ** EXTENDED SURF
 1FORCECONV

TOSKUBAEV;I.N. DZAMANBAEV;A.S. TURDUMBEV;A.I.
 "WÄRMEAUSTAUSCH ZWISCHEN GERIPPTEN ROEHREN UND FLIESSBETTEN
 AUS FEINKOERNIGEM MATERIAL"
 FREIBERGER FORSCH. H., VOL.625, 1980, PP.127-138
 032363 1980 ** EXTENDED SURF
 1FORCECONV

TOSKUBAEV;I.N. DZAMANBAEV;A.S. TURDUMBEV;A.I.

"WAERMEAUSTAUSCH ZWISCHEN FLESSBETT UND WAAGERECHT
VERSETZTEN ROEHRENBUEDELN AUS BERIPPTEN ROEHREN MIT RUNDEN
RIPPEN DREIECKIGEN PROFILS"
FREIBERGER FORSCH. H., VOL.625, 1980, PP.19-22
082153 1980 ** ADDFORGASES
1FORCECONV EXTENDED SURF

TREE;D.R. GOLDSCHMIDT;V.W. GARRETT;R.W.
KACH;E.
"EFFECT OF WATER SPRAYS ON HEAT TRANSFER OF A FIN AND TUBE
HEAT EXCHANGER"
HEAT TRANSFER 1978, VOL.4, HEMISPHERE PUBLISHING COMPANY:
WASHINGTON, D.C., 1978, PP.339-344
142012 1978 VIIHTC COMPOUNDTECH
1FORCECONV ADDFORGASES EXTENDED SURF

TRUPP;A.C. LAU;A.C.Y. SAID;M.N.A.
SOLIMAN;H.M.
"TURBULENT FLOW CHARACTERISTICS IN AN INTERNALLY FINNED
TUBE"
ADVANCES IN ENHANCED HEAT TRANSFER-1981, HTD VOL. 18,
AMERICAN SOCIETY OF MECHANICAL ENGINEERS, NEW YORK, 1981,
PP. 11-19
032264 1981 ** EXTENDED SURF
1FORCECONV

TRUPP;A.C. SOLIMAN;H.M.
"PERFORMANCE OPTIMIZATION OF INTERNALLY FINNED TUBES FOR
LAMINAR FLOW HEAT EXCHANGERS"
HEAT EXCHANGERS: THEORY AND PRACTICE, HEMISPHERE
PUBLISHING CORPORATION, WASHINGTON, AND MC GRAW-HILL
BOOK COMPANY, NEW YORK, 1983, PP.899-916
032358 1983 ** EXTENDED SURF
1FORCECONV

TUCKERMAN;D.B. PEASE;R.F.W.
"HIGH-PERFORMANCE HEAT SINKING FOR VLSI"
IEEE ELECTRON DEVICE LETTERS, VOL. EDL-2, NO.5,
MAY 1981, PP.126-129
032355 1981 ** EXTENDED SURF
1FORCECONV

TULIN;S.H. SELIKOV;A.P.
"HEAT TRANSFER AND RESISTANCE OF A CLUSTER OF PIPES WITH
RIBBON TYPE FINNS"
VESLNIK ELEKTROPREMYSHIERSMOSZ, VOL.31, OCTOBER 1960, PP.
33-36
032202 1960 ** EXTENDED SURF
1FORCECONV

UHL;D.E.
"LIGHT WATER, FORCED CONVECTIVE HEAT TRANSFER STUDY OF
FISSION REACTOR FUEL PLATES"
BACHELOR OF SCIENCE THESIS IN MECHANICAL ENGINEERING,
MASSACHUSETTS INSTITUTE OF TECHNOLOGY, JUNE 1969
032015 1969 MIT EXTENDED SURF
1FORCECONV

UPMALIS,A.
"ESSAIS D'EXCHANGES THERMIQUES SUR DES TUBES A SURFACE
'AILLETTE' PAR DES FILS DE CUIVRE SPIRALES"
REVUE GENERALE DES TECHNIQUES, NO.105, 1970, PP.1065-1072
032071 1970 ** EXTENDED SURF
1FORCECONV

VAJRAVELU;K.
"FLUID FLOW AND HEAT TRANSFER IN HORIZONTAL WAVY CHANNELS"
ACTA MECHANICA, VOL.35, NO.3-4, 1980, PP.245-258
032233 1980 ** EXTENDED SURF
1FORCECONV

VAMPOLA;J.
"GENERALIZATION OF HEAT TRANSFER AND PRESSURE DROP RELATION-
SHIPS FOR GAS FLOW ACROSS A BUNDLE OF FINNED TUBES"
PROC. SECOND ALL-SOVIET UNION CONF. ON HEAT AND MASS TRANS.
VOL.1, MAY 1964, PP.295-305
032113 1964 ** EXTENDED SURF
1FORCECONV NHC

VAMPOLA;J.
"COMPARISON OF FINNED TUBES OF VARIOUS MATERIALS FOR AIR

COOLERS"
CHEMICAL TECHNOLOGY, NO.17, JAN.1965, PP.26-29
032234 1965 ** EXTENDED SURF
1FORCECONV

VAMPOLA;J.
"HEAT AND PRESSURE LOSSES FOR GASES FLOWING THROUGH BUNDLES
OF FINNED TUBES"
STROJIRENSTVI, VOL.16, 1966, PP.501-507
032206 1966 ** EXTENDED SURF
1FORCECONV

VAN FOSSEN;G.J.
"HEAT-TRANSFER COEFFICIENTS FOR STAGGERED ARRAYS OF SHORT
PIN FINNS"
JOURNAL OF ENGINEERING FOR POWER, VOL.104, 1982, PP.
268-274
032329 1982 JEP EXTENDED SURF
1FORCECONV

VAN HAGAN;T.H. CARNAVOS;T.C.
"SURFACE GEOMETRY CONSIDERATIONS FOR GAS TURBINE HTGR POWER
PLANT HEAT EXCHANGERS"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.78-WA/HT-
20, 1978
032229 1978 ASME EXTENDED SURF
1FORCECONV ROUGHSURF

VAN ROOYEN;R.S.
"DIE VERHITTINGS-EN VERKOELINGSWARMTOEKOORDRAG EN DRUKVAL
VAN LAMINERE OLIEVLOEI VIR DIE GEVAL VAN KONSTANTE
WANDTEMPERATUUR IN GLADDE EN INTERN GEVINDE PYPE MET
WENTELLINTINSETSELS"
THESIS, UNIVERSITY OF STELLENBOSCH, STELLENBOSCH, SOUTH
AFRICA, FEBRUARY 1977
032101 1977 ** EXTENDED SURF
SWIRLFLOW 1FORCECONV

VAN ROOYEN;R.S. KROEGER;D.G.
"LAMINAR FLOW HEAT TRANSFER IN INTERNALLY FINNED TUBES WITH
TWISTED-TAPE INSERTS"
HEAT TRANSFER 1978, VOL.2, HEMISPHERE PUBLISHING
CORPORATION, 1978, PP.577-581
142006 1978 VIIHTC COMPOUNDTECH
1FORCECONV SWIRLFLO EXTENDED SURF

VASIL'CHENKO;Y.A. BARBARITSKAYA;M.S.
"RESISTANCE WITH NON-ISOTHERMAL FLUID FLOW WITH LONGITUDINAL
FINNS"
THERMAL ENGINEERING, VOL.16, NO.1, 1969, PP.28-35
032082 1969 TENG EXTENDED SURF
1FORCECONV

VASILCHENKO;Y.A. BARBARITSKAYA;M.S.
"HEAT TRANSFER IN TUBES WITH LONGITUDINAL FINNS"
THERMAL ENGINEERING, VOL.16, NO.5, 1969, PP.105-109
032068 1969 TENG EXTENDED SURF
1FORCECONV

VISHNEVSKII;V.G. SEMENOV;S.M. PLAKSIN;Y.V.
"RESULTS OF INVESTIGATING HEAT TRANSFER TUBES WITH SLIT
TRANSVERSE FINNS"
THERMAL ENGINEERING, VOL.25, NO.2, 1978, PP.33-35
032243 1978 TENG EXTENDED SURF
1FORCECONV

VLADEA;I. THEIL;H. NEISS;F.
"WAERMEAUSTAUSCHER MIT FLACHROHREN UND DORCHLAUFENDEN
RIPPEN"
HEAT TRANSFER 1970, VOL. 1, PAPER HE1.5, ELSEVIER
PUBLISHING COMPANY, AMSTERDAM, 1970
032136 1970 VIIHTC EXTENDED SURF
1FORCECONV

WALKER;V. WILKIE;D.
"THE WIDER APPLICATION OF ROUGHENED HEAT TRANSFER SURFACES
AS DEVELOPED FOR ADVANCED GAS-COOLED REACTORS"
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS,
VOL.181,PART 31,1966-67,PP.190-197
000046 1966 PIME LITSURVEY
ROUGHSURF EXTENDED SURF 1FORCECONV

WALL;A.
"EXTENDED SURFACE HEAT EXCHANGER TUBES"
CHEMICAL ENGINEERING PROGRESS, VOL.48, NO.8, 1967, PP.136-138
032039 1967 CEP EXTENDED SURF
1FORCECONV

WALSH;M.J. WEINSTEIN;L.M.
"DRAG AND HEAT TRANSFER ON SURFACES WITH SMALL LONGITUDINAL FINS"
AIAA ELEVENTH FLUID AND PLASMA DYNAMICS CONFERENCE, SEATTLE, WASHINGTON, JULY 1978
032217 1978 AIAA EXTENDED SURF
1FORCECONV

WALSH;M.J. WEINSTEIN;L.M.
"DRAG AND HEAT-TRANSFER CHARACTERISTICS OF SMALL LONGITUDINALLY RIBBED SURFACES"
AMERICAN INSTITUTE OF AERONAUTICS AND ASTRONAUTICS JOURNAL, VOL.17, 1979, PP.770-771
032269 1979 AIAA EXTENDED SURF
1FORCECONV

WARD;D.J. YOUNG;E.H.
"HEAT TRANSFER AND PRESSURE DROP OF AIR IN FORCED CONVECTION ACROSS TRIANGULAR PITCH BANKS OF FINNED TUBES"
CHEMICAL ENGINEERING PROGRESS SYMPOSIUM SERIES, VOL.55, NO. 29, 1959, PP.37-44
032025 1959 CEPSS EXTENDED SURF
1FORCECONV

WARREN;I.
"LJUNGSTROM HEAT EXCHANGERS FOR WASTE HEAT RECOVERY"
JOURNAL OF HEAT RECOVERY SYSTEMS, VOL.2, NO.3, 1982, PP.227-271
032334 1982 ** EXTENDED SURF
1FORCECONV

WATKINSON;A.P. LOUIS;L. BRENT;R.
"SCALING OF ENHANCED HEAT EXCHANGER TUBES"
CANADIAN JOURNAL OF CHEMICAL ENGINEERING, VOL.52, 1974, PP.558-562
032081 1974 ** EXTENDED SURF
1FORCECONV MASSTRAN

WATKINSON;A.P. MILETTI;D.L. TARASSOF;P.
"TURBULENT HEAT TRANSFER AND PRESSURE DROP IN INTERNALLY FINNED TUBES"
AMERICAN INSTITUTE OF CHEMICAL ENGINEERS SYMPOSIUM SERIES, VOL.69, NO.131, 1973, PP.94-103
032023 1972 AICHESS EXTENDED SURF
1FORCECONV

WATKINSON;A.P. MILETTI;D.L. KUBANEK;G.R.
"HEAT TRANSFER AND PRESSURE DROP OF FORGE-FIN TUBES IN LAMINAR OIL FLOW"
NORANDA RESEARCH CENTRE, POINTE CLAIRE, QUEBEC, INTERNAL REPORT NO.303, APRIL 1974
032058 1974 ** EXTENDED SURF
1FORCECONV

WATKINSON;A.P. MARTINEZ;O.
"SCALING OF HEAT EXCHANGER TUBES BY CALCIUM CARBONATE"
79TH NATIONAL AICHE MEETING, HOUSTON, TEXAS, PAPER NO.50A, MARCH 1975
032066 1975 AICHE EXTENDED SURF
1FORCECONV MASSTRAN

WATKINSON;A.P. MARTINEZ;O.
"SCALING OF SPIRALLY INDENTED HEAT EXCHANGER TUBES"
JOURNAL OF HEAT TRANSFER, VOL.97, 1975, PP.490-492
032093 1975 JHT EXTENDED SURF
1FORCECONV MASSTRAN

WATKINSON;A.P. MILETTI;D.L. KUBANEK;G.R.
"HEAT TRANSFER AND PRESSURE DROP OF INTERNALLY FINNED TUBES IN LAMINAR OIL FLOW"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.75-HT-41, 1975
032187 1975 ASME EXTENDED SURF
1FORCECONV

WATKINSON;A.P. MILETTI;D.L. KUBANEK;G.R.
"HEAT TRANSFER AND PRESSURE DROP OF INTERNALLY FINNED TUBES IN TURBULENT AIR FLOW"
ASHRAE TRANSACTIONS, VOL.81, PART1, 1975, PP.330-349
032174 1975 ASHRAE EXTENDED SURF
1FORCECONV

WEBB;R.L. SCOTT;M.J.
"A PARAMETRIC ANALYSIS OF THE PERFORMANCE OF INTERNALLY FINNED TUBES FOR HEAT EXCHANGER APPLICATION"
JOURNAL OF HEAT TRANSFER, VOL. 102, 1980, PP. 38-43, ERRATA, P. 791
150028 1980 JHT PERFORMANCE
EXTENDED SURF 1FORCECONV

WEBB;R.L. JOSHI;H.M.
"A FRICTION FACTOR CORRELATION FOR THE OFFSET STRIP-FIN MATRIX"
HEAT TRANSFER 1982, VOL.6, HEMISPHERE PUBLISHING COMPANY, WASHINGTON, D.C., 1982, PP.257-262
032312 1982 VIIHTC EXTENDED SURF
1FORCECONV

WEBB;R.L.
"HEAT TRANSFER AND FRICTION CHARACTERISTICS FOR FINNED TUBES HAVING PLAIN FINS"
LOW REYNOLDS NUMBER FLOW HEAT EXCHANGERS, HEMISPHERE PUBLISHING CORPORATION, WASHINGTON, 1983, PP.431-450
032332 1983 ** EXTENDED SURF
1FORCECONV

WEBB;R.L.
"ENHANCEMENT FOR EXTENDED SURFACE GEOMETRIES USED IN AIR COOLED HEAT EXCHANGERS"
LOW REYNOLDS NUMBER FLOW HEAT EXCHANGERS, HEMISPHERE PUBLISHING CORPORATION, WASHINGTON, 1983, PP.721-734
032333 1983 ** EXTENDED SURF
1FORCECONV

WEIERMAN;C. TABOREK;J. MARNER;W.J.
"COMPARISON OF THE PERFORMANCE OF INLINE AND STAGGERED BANKS OF TUBES WITH SEGMENTED FINS"
AICHE PAPER 6 FOR FIFTEENTH NATIONAL HEAT TRANSFER CONFERENCE, SAN FRANCISCO, 1975
032087 1975 AICHE EXTENDED SURF
1FORCECONV

WEIERMAN;C.
"CORRELATIONS EASE THE SELECTION OF FINNED TUBES"
OIL AND GAS JOURNAL, VOL.74, SEPTEMBER 6, 1976, PP.94-100
032123 1976 OGJ EXTENDED SURF
1FORCECONV

WEIERMAN;C.
"FINNED TUBES CAN LOWER HEAT-TRANSFER COSTS"
OIL AND GAS JOURNAL, VOL.73, NOVEMBER 3, 1975, PP.64, 69, 70 AND 72
032342 1975 ** EXTENDED SURF
1FORCECONV

WEINER;J. GROSS;H. PASCKIS;V.
"AN EXPERIMENTAL DETERMINATION OF LOCAL BOUNDARY CONDUCTANCES FOR AN UNBAFFLED CIRCULAR FINNED CYLINDER"
INST. MECH. ENGR. DISCUSSION ON HEAT TRANSFER, 1951
032236 1951 ** EXTENDED SURF
1FORCECONV

WESTELL;J. JACKSON;J.
"PRELIMINARY RADIATOR TUBE TEST RESULTS"
GRUMMAN AIRCRAFT ENGINEERING CORPORATION, A.D. SPACE RADIATOR PROJECT, TECHNICAL MEMORANDUM NO.4, FEBRUARY 29, 1968
032011 1968 ** EXTENDED SURF
1FORCECONV

WIETING;A.R.
"EMPIRICAL CORRELATIONS FOR HEAT TRANSFER AND FLOW FRICTION CHARACTERISTICS OF RECTANGULAR OFFSET-FIN PLATE-FIN HEAT EXCHANGERS"
JOURNAL OF HEAT TRANSFER, VOL.97, 1975, PP.488-490
032078 1975 JHT EXTENDED SURF
1FORCECONV

- WILKIE;D.
"THERMAL PERFORMANCE OF LONGITUDINALLY FINNED SURFACES"
HEAT TRANSFER 1982, VOL.5, HEMISPHERE PUBLISHING COMPANY,
WASHINGTON, D.C., 1982, PP.565-570
032316 1982 VIIIHTC EXTENDED SURF
1FORCECONV
- WILSON;C.R.
"MODERN BOILER ECONOMISERS--DEVELOPMENT AND APPLICATIONS"
JOURNAL OF HEAT RECOVERY SYSTEMS, VOL.2, NO.2, 1982, PP.
209-225
000125 1982 ** LITSURVEY
EXTENDED SURF 1FORCECONV
- WONG;L.T. SMITH;M.C.
"AIRFLOW PHENOMENA IN THE LOUVERED-FIN HEAT EXCHANGER"
SOCIETY OF AUTOMOTIVE ENGINEERS, PAPER 730237, 1973
032134 1973 SAE EXTENDED SURF
1FORCECONV
- YAKUSHIN;A.N.
"DETERMINATION OF OPTIMAL CHARACTERISTICS OF FINNED/PLATE
HEAT EXCHANGERS"
THERMAL ENGINEERING, VOL.24, NO.1, PP.64-67
032214 1977 TENG EXTENDED SURF
1FORCECONV PERFORMANCE
- YAMPOLSKY;J.S.
"SPIRALLY FLUTED TUBING FOR ENHANCED HEAT TRANSFER"
HEAT EXCHANGERS: THEORY AND PRACTICE, HEMISPHERE
PUBLISHING CORPORATION, WASHINGTON, AND MC GRAW-HILL
BOOK COMPANY, 1983, PP.945-952
032359 1983 ** EXTENDED SURF
1FORCECONV
- YANG;W.-J.
"HEAT TRANSFER AND FLOW FRICTION PERFORMANCE OF HEATED
PERFORATED FLAT PLATES"
UNIVERSITY OF MICHIGAN REPORT FOR ENVIRONMENTAL PROTECTION
AGENCY, REPORT NO. PB-236 675. JUNE 1973
032120 1973 ** EXTENDED SURF
1FORCECONV
- YANG;W.J. CLARK;D.W.
"SPRAY COOLING OF AIR-COOLED COMPACT HEAT EXCHANGERS"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.18,
1975, PP.311-317
082077 1975 IJHMT ADDFORGASES
ROUGH SURF EXTENDED SURF 1FORCECONV
- YOUNG;E.H. WARD;D.J.
"HOW TO DESIGN FINNED TUBE SHELL AND TUBE HEAT EXCHANGERS.
PART 1. FUNDAMENTALS OF FINNED TUBE HEAT TRANSFER"
THE REFINING ENGINEER, VOL.29, OCTOBER 1957, PP.C-7 - C-11
032226 1957 ** EXTENDED SURF
1FORCECONV
- YOUNG;E.H. WARD;D.J.
"HOW TO DESIGN FINNED TUBE SHELL AND TUBE HEAT EXCHANGERS.
PART 3. DESIGN OF FINNED TUBE HEATERS AND COOLERS"
THE REFINING ENGINEER, VOL.29, DECEMBER 1957, PP.C-18 - C-24
032203 1957 ** EXTENDED SURF
1FORCECONV
- YOUNG;E.H. BALEKJIAN;G. WARD;D.J.
PAQUETTE;A.J. GODZAK;S.G. MECKLER;M.
KATZ;M.L.
"THE INVESTIGATION OF HEAT TRANSFER AND PRESSURE DROP OF
11 FINS PER INCH TUBES AND COILS"
ENGINEERING RESEARCH INSTITUTE PROGRESS REPORT NO.35,
UNIVERSITY OF MICHIGAN, FEBRUARY 1983
032331 1955 ** EXTENDED SURF
1FORCECONV
- YUDIN;V.F. TOKHTARUVA;L.S.
"HEAT TRANSFER AND RESISTANCE OF CHEQUERED BUNDLES OF TUBES
WITH TRANSVERSE FINS IN TRANSVERSE FLOW"
THERMAL ENGINEERING, VOL.20, NO.2, 1973, PP.65-69
032178 1973 TE EXTENDED SURF
1FORCECONV
- YUNG;D.T. HILLIS;D.L. LORENZ;J.L.
SATHER;N.F.
"OTEC PERFORMANCE TESTS OF THE UNION CARBIDE ENHANCED-TUBE
CONDENSER"
ARGONNE NATIONAL LABORATORY, OCEAN THERMAL ENERGY CONVERSION
PROGRAM, REPORT NO. ANL/OTEC-PS-2, MAY 1979.
035095 1979 ANL EXTENDED SURF
CONDENSATION 1FORCECONV
- ZAKKAY;V. MILLER;G.
"ADVANCED HEAT EXCHANGER CONFIGURATIONS FOR COAL-FIRED
FLUIDIZED BEDS"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.78-WA/HT-
40, 1978
142017 1978 ASME COMPOUNDTECH
1FORCECONV ADDFORGASES EXTENDED SURF
- ZHOLUDOV;YA.S. PRIKHODKO;P.M.
"TESTING A SUPERHEATER BANK MADE OF TRANSVERSELY FINNED
TUBES"
THERMAL ENGINEERING, VOL.20, NO.1, 1973, PP.17-22
032054 1973 TENG EXTENDED SURF
1FORCECONV
- ZHUKAUSKAS;A. STASIULEVICH;J. SKRINSKA;H.
"EXPERIMENTAL INVESTIGATION OF EFFICIENCY OF HEAT TRANSFER
OF A TUBE WITH SPIRAL FINS IN CROSS-FLOW"
PROCEEDINGS OF THE THIRD INTERNATIONAL HEAT TRANSFER
CONFERENCE, VOL.3, AMERICAN INSTITUTE OF CHEMICAL ENGINEERS,
NEW YORK, 1966, PP.299-305
032139 1966 AIChE EXTENDED SURF
1FORCECONV
- ZHUKAUSKAS;A.A.
"INVESTIGATION OF HEAT TRANSFER IN DIFFERENT ARRANGEMENTS
OF HEAT EXCHANGER SURFACES"
THERMAL ENGINEERING, VOL.21, NO.5, 1974, PP.40-46
032110 1974 TENG EXTENDED SURF
1FORCECONV
- ZIEGLER;R.P. BERGLES;A.E.
"ECONOMIC EVALUATION OF AUGMENTED SURFACES IN WASTE HEAT
RECUPERATOR DESIGN"
HEAT TRANSFER LABORATORY, REPORT NO. HTL-20,
ISU-ERI-AMES-80024, COO-7649-9, IOWA STATE UNIVERSITY, AMES
1979.
150041 1979 ISU PERFORMANCE
EXTENDED SURF 1FORCECONV
- ZOZULYA;N.V. KHAVIN;A.A. KALININ;B.L.
"EFFECT OF FIN DEFORMATION ON HEAT TRANSFER AND DRAG IN
BUNDLES OF OVAL TUBES WITH TRANSVERSE FINS"
HEAT TRANSFER - SOVIET RESEARCH, VOL.2, NO.1, 1970, PP.77-79
032108 1962 HTSR EXTENDED SURF
1FORCECONV
- ZOZULYA;N.V. KHAVIN;A.A. KALININ;B.L.
"EFFECT OF FIN DEFORMATION ON HEAT TRANSFER AND DRAG IN
BUNDLES OF OVAL TUBES WITH TRANSVERSE FINS"
HEAT TRANSFER - SOVIET RESEARCH, VOL.7, NO.2, 1975, PP.95-98
032109 1975 HTSR EXTENDED SURF
1FORCECONV
- ZOZULYA;N.V. VOROB'VEV;Y.P. KHAVIN;A.A.
"EFFECT OF FLOW TURBULIZATION ON HEAT TRANSFER IN A FINNED
TUBE BUNDLE"
HEAT TRANSFER-SOVIET RESEARCH, VOL.5, NO.1, 1973, PP.154-156
032137 1973 HTSR EXTENDED SURF
1FORCECONV
- ZOZULYA;N.V. KHAVIN;A.A.
"EXPERIMENTAL DETERMINATION OF THE THERMAL-ENGINEERING
PERFORMANCE OF LARGE-DIAMETER TUBES WITH TRANSVERSELY WELDED
ON TUBES"
HEAT TRANSFER - SOVIET RESEARCH, VOL.6, NO.6, 1974, PP.82-85
032146 1974 HTSR EXTENDED SURF
1FORCECONV
- ZOZULYA;N.V. KHORUNZHII;Y.
"HEAT TRANSFER FROM FINNED TUBES MOVING BACK AND FORTH IN
LIQUID"
CHEMICAL AND PETROLEUM ENGINEERING, NO.9-10, 1968,

PP.830-832
 102021 1968 CPE SURFVIB
 1FORCECONV EXTENDED SURF COMPOUNDTECH

ZUKAUSKAS;A.
 "PROBLEMS OF HEAT TRANSFER AUGMENTATION FOR TUBE BANKS
 IN CROSS FLOW"
 HEAT EXCHANGERS: THEORY AND PRACTICE, HEMISPHERE
 PUBLISHING CORPORATION, WASHINGTON, AND MC GRAW-HILL
 BOOK COMPANY, NEW YORK, 1983, PP.265-286

032356 1983 ** EXTENDED SURF
 1FORCECONV ROUGH SURF

ZUKAUSKAS;A.
 "AIR-COOLED HEAT EXCHANGERS"
 HEAT EXCHANGERS, THERMAL-HYDRAULIC FUNDAMENTALS AND
 DESIGN, HEMISPHERE PUBLISHING CORPORATION, WASHINGTON,
 AND MC GRAW-HILL BOOK COMPANY, NEW YORK, 1981, PP.49-83
 032360 1981 ** EXTENDED SURF
 1FORCECONV ROUGH SURF

EXTENDED SURFACES — POOL BOILING

- ANTONELLI;R. CHESNOY;A.B.
"APPLICATION OF ADVANCED HEAT-TRANSFER TECHNOLOGY TO THE
CHEMICAL PROCESS INDUSTRY AND CONSEQUENT ENERGY SAVINGS"
PRESENTED AT THE VI CONVENCION NACIONAL DE LA INDUSTRIA
QUIMICA, MADRID, SPAIN, DECEMBER 1976
013100 1976 ** TREATSURF
POOLBOIL EXTENDED SURF CONDENSATION
- BERNDT;T. CONNELL;J.W.
"PLATE HEAT EXCHANGERS FOR OTEC"
PROCEEDINGS OF THE FIFTH OCEAN THERMAL ENERGY CONVERSION
CONF., MIAMI BEACH, FLORIDA, FEBRUARY 1978, PP.VI/288-VI/320
033032 1978 ** EXTENDED SURF
POOLBOIL CONDENSATION
- BEURTHERT;C.A.E.
"THE VAPOTRON TECHNIQUE"
COMPAGNIE FRANÇAISE THOMSON-HOUSTON, REVUE TECHNIQUE, NO.
24, 1956, PP.53-82
033002 1956 ** EXTENDED SURF
POOLBOIL
- BONDURANT;D.L. WESTWATER;J.W.
"HEAT TRANSFER WITH CHANGE OF PHASE - PART II. PERFORMANCE
OF TRANSVERSE FINS FOR BOILING HEAT TRANSFER"
AMERICAN INSTITUTE OF CHEMICAL ENGINEERS PREPRINT 49D FOR
63RD ANNUAL MEETING, 1970
033010 1970 AICHE EXTENDED SURF
POOLBOIL
- CARNAVOS;T.C.
"AN EXPERIMENTAL STUDY: POOL BOILING R-11 WITH AUGMENTED
TUBES"
ADVANCES IN ENHANCED HEAT TRANSFER-1981, HTD VOL. 18
AMERICAN SOCIETY OF MECHANICAL ENGINEERS, NEW YORK, 1981,
PP. 103-108
033040 1981 ** EXTENDED SURF
POOLBOIL TREATSURF
- CASH;D.R. KLEIN;G.J. WESTWATER;J.W.
"APPROXIMATE OPTIMUM FIN DESIGN FOR BOILING HEAT TRANSFER"
JOURNAL OF HEAT TRANSFER, VOL.93, 1971, PP.19-24
033014 1971 JHT EXTENDED SURF
POOLBOIL
- CLAYTON;D.G.
"AN INVESTIGATION INTO BOILING-LIQUID HEAT TRANSFER FROM
FINNED SURFACES"
M.PH. THESIS, LIVERPOOL POLYTECHNIC, 1975
033023 1975 ** EXTENDED SURF
POOLBOIL NHC
- CONTI;R.J.
"EXPERIMENTAL INVESTIGATION OF HORIZONTAL-TUBE ANOMIA FILM
EVAPORATORS WITH SMALL TEMPERATURE DIFFERENTIALS"
PROCEEDINGS OF THE FIFTH OCEAN THERMAL ENERGY CONVERSION
CONFERENCE, MIAMI BEACH, FLORIDA, FEBRUARY, 1978
PP. VI 161 - VI 180.
033030 1978 OTEC EXTENDED SURF
POOLBOIL
- CORMAN;J.C. MC LAUGHLIN;M.H.
"BOILING AUGMENTATION WITH STRUCTURED SURFACES"
PREPRINTED AND PRESENTED AT ASHRAE SEMI-ANNUAL MEETING,
DALLAS, 1976, ASHRAE TRANSACTIONS, VOL. 82, PART 1, 1976,
PP.906-918
063007 1976 ASHRAE SURFTENSION
EXTENDED SURF POOLBOIL
- CZIKK;A.M. FRICKE;H.D. GANIC;E.N.
SHARMA;B.I.
"FLUID DYNAMIC AND HEAT TRANSFER STUDIES OF OTEC HEAT EX-
CHANGERS"
PROCEEDINGS OF THE FIFTH OCEAN THERMAL ENERGY CONVERSION
CONFERENCE, MIAMI BEACH, FLORIDA, 1978, PP.VI181-VI236
013078 1978 OTEC TREATSURF
POOLBOIL EXTENDED SURF CONDENSATION
- DANILOVA;G.N. DYUNDIN;V.A.
"HEAT TRANSFER DURING BOILING OF FREON 12 AND 22 IN BUNDLES
OF FINNED TUBES"
- KHOLODIL'NAYA TEKHNIKA, VOL.48, 1971, PP.40-43
033029 1971 ** EXTENDED SURF
POOLBOIL
- DEMANGE;P. DOUGUET;E. LE FRANE;J.D.
"LE VAPOTRON NUCLEAIRE"
REVUE TECHNIQUE, C.F.T.H. NO. 38, 1963, PP. 111-130
034017 1963 ** EXTENDED SURF
POOLBOIL
- DOBROV;V.V. VVEDENSKY;V.I.
"COMPARATIVE THERMAL ENGINEERING INVESTIGATION OF SHEET-
ROLLED AND FINNED-TUBULAR EVAPORATORS"
KHOLODIL'NAYA TEKHNIKA, NO.10, 1976, PP.17-20
033027 1976 ** EXTENDED SURF
POOLBOIL
- EDWARDS;D.K. GIER;K.D. AYYASWAMY;P.S.
CATTON;I.
"EVAPORATION AND CONDENSATION IN CIRCUMFERENTIAL GROOVES
ON HORIZONTAL TUBES"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.
73-HT-25, 1973
033005 1973 ASME EXTENDED SURF
POOLBOIL CONDENSATION
- GALEZHA;V.B. USYUKIN;I.P. KAN;K.D.
"BOILING HEAT TRANSFER WITH FREONS IN FINNED-PLATE HEAT
EXCHANGERS"
HEAT TRANSFER - SOVIET RESEARCH, VOL.8, NO.3, 1976,
PP.103-110
033026 1976 HTSR EXTENDED SURF
POOLBOIL
- GANIC;E.N. WU;J.
"ON THE SELECTION OF WORKING FLUIDS FOR OTEC POWER PLANTS"
ENERGY CONVERSION AND MANAGEMENT, VOL.20, NO.1, 1980,
PP.9-22
033061 1980 ** EXTENDED SURF
POOLBOIL CONDENSATION
- GOLOVINSKII;G.P.
"HEAT TRANSFER FROM FINNED AND CORRUGATED TUBES TO BOILING
LIQUIDS"
INTERNATIONAL CHEMICAL ENGINEERING, VOL.15, 1975, PP.258-260
033017 1975 ICE EXTENDED SURF
POOLBOIL
- GORENFLO;D.
"ZUM WAERMEUEBERGANG BEI DER BLASEN VERDAMPFUNG AN
RIPPENROHREN"
DISS. TECHNISCHE HOCHSCHULE, KARLSRUHE, 1966
033022 1966 ** EXTENDED SURF
POOLBOIL 1NATCONV
- GOTOH;H. KAWAI;S. MACHIYAMA;T.
"EXPERIMENTAL REPORT ON THE BOILING HEAT TRANSFER CHARACTER-
ISTICS OF STEEL LOW-FINNED TUBES"
BULLETIN OF SCIENCE AND ENGINEERING RESEARCH LABORATORY,
WASEDA UNIVERSITY, NO.93, 1980, PP.88-92
033052 1980 ** EXTENDED SURF
POOLBOIL
- GOTTMANN;C.F. O'NEILL;P.S. MINTON;P.E.
"HIGH EFFICIENCY HEAT EXCHANGERS"
CHEMICAL ENGINEERING PROGRESS, VOL.69, NO.7, 1973, PP.69-75
013044 1973 CEP TREATSURF
EXTENDED SURF POOLBOIL FLOBOIL
- HAHNE;E. MUELLER;J.
"BOILING ON A FINNED TUBE AND A FINNED TUBE BUNDLE"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.26,
1983, PP.849-859
033058 1983 IJHMT EXTENDED SURF
POOLBOIL
- HALEY;K.W. WESTWATER;J.W.
"BOILING HEAT TRANSFER FROM SINGLE FINS"
PROCEEDINGS OF THE THIRD INTERNATIONAL HEAT TRANSFER
CONFERENCE, AMERICAN INSTITUTE OF CHEMICAL ENGINEERS, NEW
YORK, VOL.111, 1966, PP.245-253
033009 1966 IIIHTC EXTENDED SURF

POOLBOIL

- HESSE;G.
"HEAT TRANSFER IN NUCLEATE BOILING, MAXIMUM HEAT FLUX AND TRANSITION BOILING"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.16, 1973, PP.1611-1627
033008 1973 IJHMT EXTENDED SURF
POOLBOIL
- HOMMAN;G.H.
"BOILING HEAT TRANSFER FROM FREONS ON HORIZONTAL SMOOTH AND FINNED TUBES"
HEAT TRANSFER-SOVIET RESEARCH, VOL.4, NO.3, 1972, PP.57-63
033013 1972 HTSR EXTENDED SURF
POOLBOIL
- HSU;Y.Y.
"ANALYSIS OF BOILING ON A FIN"
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION TECHNICAL NOTE D-4792, 1968
033012 1968 NASATN EXTENDED SURF
POOLBOIL
- KAJIKAWA;T. TAKAZAWA;H. NISHIYAMA;K.
AGAWA;T. IIDAKA;H. AMANO;M.
"DEVELOPMENT OF ENHANCEMENT OF THE WORKING FLUID SIDE HEAT TRANSFER FOR OTEC"
PROCEEDINGS OF THE SEVENTH OCEAN ENERGY CONFERENCE, CONF-800633, VOL.2, 1980, PP.12.2-1 - 12.2-9
013113 1980 ** TREAT SURF
POOLBOIL EXTENDED SURF CONDENSATION
- KATZ;D.L. MEYERS;J.E. YOUNG;E.H.
BALEKJIAN;G.
"BOILING OUTSIDE FINNED TUBES"
PETROLEUM REFINER, VOL.34, NO.2, 1955, PP.113-116
033001 1955 ** EXTENDED SURF
POOLBOIL
- KLEIN;G.J. WESTWATER;J.W.
"HEAT TRANSFER FROM MULTIPLE SPINES TO BOILING LIQUIDS"
AMERICAN INSTITUTE OF CHEMICAL ENGINEERS JOURNAL, VOL.17, 1971, PP.1050-1056
033011 1971 AICHEJ EXTENDED SURF
POOLBOIL
- KOPP;I.Z.
"INVESTIGATION OF THE EFFECT OF SURFACE ROUGHNESS ON BOILING HEAT TRANSFER"
ABSTRACT FROM THE FIFTH ALL-UNION HEAT AND MASS TRANSFER CONFERENCE, MINSK, USSR, 1976, P.76
033048 1976 ** EXTENDED SURF
POOLBOIL
- LAI;F.-S. HSU;Y.Y.
"TEMPERATURE DISTRIBUTION IN A FIN PARTIALLY COOLED BY NUCLEATE BOILING"
AMERICAN INSTITUTE OF CHEMICAL ENGINEERS JOURNAL, VOL.13, 1967, PP.817-822
033007 1967 AICHEJ EXTENDED SURF
POOLBOIL
- LORENZ;J.J. YUNG;D.T. HILLIS;D.L.
SATHER;N.F.
"OTEC PERFORMANCE TESTS OF THE CARNEGIE-MELLON UNIVERSITY VERTICAL FLUTED-TUBE EVAPORATOR"
ARGONNE NATIONAL LABORATORY, OCEAN THERMAL ENERGY CONVERSION PROGRAM, REPORT NO. ANL/OTEC-PS-5, JULY 1979
033036 1979 ANL EXTENDED SURF
POOLBOIL IFORCECONV
- LORENZ;J.J. YUNG;D.
"AN ANALYSIS OF HEAT TRANSFER IN HORIZONTAL TUBE FALLING FILM EVAPORATORS"
ARGONNE NATIONAL LABORATORY, OCEAN THERMAL ENERGY CONVERSION PROGRAM, REPORT NO. ANL-OTEC-78-1, 1978
033045 1978 ANL EXTENDED SURF
POOLBOIL OTEC
- LUSTENADER;E.L. RICHTER;R. NEUGEBAUER;F.J.
"THE USE OF THIN FILMS FOR INCREASING EVAPORATION AND

CONDENSATION RATES IN PROCESS EQUIPMENT"

JOURNAL OF HEAT TRANSFER, VOL.81, 1959, PP.297-307
093008 1959 JHT MECHAID
POOLBOIL CONDENSATION TREAT SURF EXTENDED SURF

MAILEN;G.S.
"THE ENHANCEMENT OF HEAT TRANSFER FOR AMMONIA EVAPORATING OUTSIDE VERTICAL TUBES"
OAK RIDGE NATIONAL LABORATORY REPORT NO. ORNL-5639, 1980
033035 1980 ORNL EXTENDED SURF
POOLBOIL

MAILEN;G.S.
"EXPERIMENTAL STUDIES OF OTEC HEAT TRANSFER EVAPORATION OF AMMONIA ON VERTICAL SMOOTH AND FLUTED TUBES"
PROCEEDINGS OF THE SEVENTH OCEAN ENERGY CONFERENCE, CONF-800633, VOL.2, 1980, PP.12.5-1 - 12.5-10
033030 1980 ** EXTENDED SURF
POOLBOIL

MOALEM-MARON;D. SEMIAT;R. SIDEMAN;S.
"ENHANCED HEAT TRANSFER IN HORIZONTAL EVAPORATOR-CONDENSERS WITH STRAIGHT-EDGED GROOVED TUBES"
DESALINATION, VOL.34, NO.3, 1980, PP.289-309
033051 1980 ** EXTENDED SURF
POOLBOIL

MORI;S. SAKITANI;K. ISAJI;A.
"EXPERIMENTAL RESEARCH ON HEAT TRANSFER OF A FLOODED TYPE EVAPORATOR"
REFRIGERATION, VOL.50, 1975, PP.499-504
033019 1975 ** EXTENDED SURF
POOLBOIL

MUELLER;J. HAHNE;E.
"BOILING HEAT TRANSFER IN FINNED TUBE BUNDLES"
ABSTRACT FROM THE SIXTH ALL-UNION HEAT AND MASS TRANSFER CONFERENCE, MINSK, USSR, 1980, P. 70
033037 1980 ** EXTENDED SURF
POOLBOIL

MUELLER;J. HAHNE;E.
"BOILING HEAT TRANSFER IN FINNED TUBE BUNDLES"
HEAT TRANSFER - SOVIET RESEARCH, VOL.13, NO.6, 1981, PP.19-25
033057 1981 HTSR EXTENDED SURF
POOLBOIL

NAKAJIMA;K. SHIOZAWA;A.
"AN EXPERIMENTAL STUDY ON THE PERFORMANCE OF A FLOODED TYPE EVAPORATOR"
HEAT TRANSFER-JAPANESE RESEARCH, VOL.4, NO.4, 1975, PP.49-66
033020 1975 HTJR EXTENDED SURF
POOLBOIL

OKTAY;S.
"DEPARTURE FROM NATURAL CONVECTION (DNC) IN LOW-TEMPERATURE BOILING HEAT TRANSFER ENCOUNTERED IN COOLING MICRO-ELECTRONIC LSI DEVICES"
HEAT TRANSFER 1982, VOL.4, HEMISPHERE PUBLISHING COMPANY, WASHINGTON, D.C., 1982, PP.113-118
033053 1982 VIIHHC EXTENDED SURF
POOLBOIL

OUCHI;M. TAKEYAMA;T.
"EXPERIMENTAL AND ANALYTICAL STUDY OF A FIN IN BOILING WATER"
HEAT TRANSFER - JAPANESE RESEARCH, VOL.7, NO.3, 1979, PP. 63-67
033028 1979 HTJR EXTENDED SURF
POOLBOIL

PALEN;J.W. TABOREK;J.
"CHARACTERISTICS OF BOILING OUTSIDE LARGE SCALE HORIZONTAL MULTITUBE BUNDLES"
AMERICAN INSTITUTE OF CHEMICAL ENGINEERS 12TH NATIONAL HEAT TRANSFER CONFERENCE, TULSA, OKLAHOMA, 1971, PAPER NO. 9
033033 1971 AICHE TREAT SURF
EXTENDED SURF POOLBOIL

PALEN;J.W. YARDEN;A. TABOREK;J.
"CHARACTERISTICS OF BOILING OUTSIDE LARGE-SCALE HORIZONTAL

MULTITUBE BUNDLES"

AICHE SYMPOSIUM SERIES NO.118, VOL.68, 1972, PP.50-61
033025 1972 AICHESS EXTENDED SURF
POOLBOIL TREATSURF

PANCHAL;C.B. HILLIS;D.L. LORENZ;J.J.
YUNG;D.T.
"OTEC PERFORMANCE TESTS OF THE TRANE PLATE-FIN HEAT EXCHANGER"
ARGONNE NATIONAL LABORATORY, REPORT NO. ANL/OTEC-PS-7, APRIL 1981
150053 1981 ANL PERFORMANCE
EXTENDED SURF POOLBOIL CONDENSATION

PANCHAL;C.P. LORENZ;J.J. HILLIS;D.L.
"THE EFFECTS OF AMMONIA CONTAMINATION BY WATER ON OTEC POWER SYSTEM PERFORMANCE"
ARGONNE NATIONAL LABORATORY, ANL/OTEC-PS-8, AUGUST 1981.
033038 1981 ANL EXTENDED SURF
POOLBOIL TREATSURF

PETUKHOV;B.S. KOVALEV;S.A. GESHELE;V.D.
"HEAT TRANSFER IN BOILING ON FINNED SURFACES"
HEAT TRANSFER - SOVIET RESEARCH, VOL.13, NO.1, 1981, PP.51-60
033049 1981 HTSR EXTENDED SURF
POOLBOIL

PRINCE;W.J.
"ENHANCED TUBES FOR HORIZONTAL EVAPORATOR DESALINATION PROCESSES"
M.S. THESIS, UNIVERSITY OF CALIFORNIA AT LOS ANGELES, 1971
033016 1971 ** EXTENDED SURF
POOLBOIL CONDENSATION

RANGARAJAN;J. RAI;M.M. SEETHARAMU;K.N.
"APPLICATION OF FINITE ELEMENT METHOD TO THE ANALYSIS OF FINS IN BOILING LIQUIDS"
NUMERICAL METHODS IN THERMAL PROBLEMS, PINERIDGE PRESS
UNITED KINGDOM, 1979, PP.1149-1155
033056 1979 ** EXTENDED SURF
POOLBOIL

RIFERT;V.G.
"HEAT TRANSFER WITH VAPORIZATION IN LIQUID FILMS FLOWING DOWN A VERTICAL CORRUGATED SURFACE"
JOURNAL OF ENGINEERING PHYSICS, VOL.39, 1960, PP.1203-1206
033054 1980 JEP EXTENDED SURF
POOLBOIL

ROBERTSON;J.M.
"HEAT EXCHANGE EQUIPMENT FOR THE CRYOGENIC PROCESS INDUSTRY"
HEAT EXCHANGERS: THEORY AND PRACTICE HEMISPHERE PUBLISHING CORPORATION, WASHINGTON, AND MC GRAW-HILL BOOK COMPANY, NEW YORK, 1983, PP.469-494
033063 1983 ** EXTENDED SURF
POOLBOIL CONDENSATION

ROTHFUS;R.R. NEUMAN;C.P.
"THE OTEC PROGRAM AT CARNEGIE-MELLON UNIVERSITY HEAT TRANSFER RESEARCH AND POWER CYCLE TRANSIENT MODELING"
PROCEEDINGS OF THE FOURTH ANNUAL CONFERENCE ON OCEAN THERMAL ENERGY CONVERSION, NEW ORLEANS, LOUISIANA, MARCH 1977, PP.VI-55 - VI-70
033039 1977 ** EXTENDED SURF
CONDENSATION POOLBOIL

ROTHFUS;R.R. WESTBERG;A.W. YAO;S.
"CONCURRENT STUDIES OF ENHANCED HEAT TRANSFER AND MATERIALS FOR OCEAN THERMAL HEAT EXCHANGERS"
CARNEGIE-MELLON UNIVERSITY REPORT NO. CMO-2641-5, 1978
035094 1978 ** EXTENDED SURF
CONDENSATION POOLBOIL
NHC

RUBIN;G.R. ROYZEN;L.I. DULKIN;I.N.
"HEAT TRANSFER IN LIQUID BOILING ON INSULATION-COATED FINS"
HEAT TRANSFER-SOVIET RESEARCH, VOL.3, NO.5, 1971, PP.130-134
033006 1971 HTSR EXTENDED SURF
POOLBOIL

RUBIN;I.R. ROYZEN;L.I. DULKIN;I.N.
YUDINA;L.A.
"HEAT TRANSFER IN THE BOILING OF A LIQUID ON HORIZONTAL PIPES WITH ANNULAR FINS"
HIGH TEMPERATURE, VOL.17, NO.3, 1979, PP.475-480
033046 1979 ** EXTENDED SURF
POOLBOIL

SAASKI;E.W. FRANKLIN;J.
"HEAT TRANSFER: PERFORMANCE OF AN EVAPORATIVE HEAT TRANSFER WICK"
CHEMICAL ENGINEERING PROGRESS, JULY 1977, PP. 74-77
033034 1977 CEP EXTENDED SURF
POOLBOIL

SATONE;H. FUNAHASHI;S. INOUE;S.
"EXPERIENCES ON VTE DISTILLATION PLANTS IN JAPAN"
DESALINATION, VOL.22, NOS.1/2/3, 1977, PP.169-179
033060 1977 ** EXTENDED SURF
POOLBOIL

SAUER;H.J. DAVIDSON;G.W. CHONGRUNGREONG;S.
"NUCLEATE BOILING OF REFRIGERANT-OIL MIXTURES FROM FINNED TUBING"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.80-HT-111, 1980
033024 1980 ASME EXTENDED SURF
POOLBOIL

SCHNABEL;G. GNIELINSKI;V. SCHLUENDER;E.U.
"OERTLICHE WAERMEUEBERGANGSKOEFFIZIENTEN BEI DER VERDAMPFUNG VON RIESELFILMEN AN SENKRECHTEN, PROFILIERTEN OBERFLAECHEEN"
CHEMIE-INGENIEUR-TECHNIK, VOL.53, NO.3, 1981, PP.167-190
033055 1981 ** EXTENDED SURF
POOLBOIL

SCHNABEL;G.
"ANALYSIS OF LOCAL AND OVERALL HEAT TRANSFER ENHANCEMENT BY DOUBLE FLUTED CONDENSER/EVAPORATOR TUBES"
HEAT EXCHANGERS: THEORY AND PRACTICE, HEMISPHERE PUBLISHING CORPORATION, WASHINGTON, AND MC GRAW-HILL BOOK COMPANY, NEW YORK, 1983, PP.205-220
033062 1983 ** EXTENDED SURF
POOLBOIL CONDENSATION

SCHROEDER;J.J. FAST;P. SANDER-BEUEMANN;W.
"HYDRODYNAMICS AND HEAT TRANSFER ON VERTICALLY FINNED SURFACES IN FALLING FILM EVAPORATORS"
DESALINATION, VOL.31, 1979, PP.19-34
033021 1979 ** EXTENDED SURF
POOLBOIL ROUGHSURF CONDENSATION

SHIH;C.C. WESTWATER;J.W.
"USE OF COATINGS OF LOW THERMAL CONDUCTIVITY TO IMPROVE FINS USED IN BOILING LIQUIDS"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.15, 1972, PP.1965-1968
013035 1972 IJHMT TREATSURF
EXTENDED SURF POOLBOIL

SHIH;C.C. WESTWATER;J.W.
"SPHERES, HEMISPHERES AND DISCS AS HIGH-PERFORMANCE FINS FOR BOILING HEAT TRANSFER"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.17, 1974, PP.125-134
033015 1974 IJHMT EXTENDED SURF
POOLBOIL

SIDEMAN;S. SEMIAT;R. MOALEM-MARON;D.
"ENHANCED TRANSFER IN HORIZONTAL EVAPORATOR-CONDENSER CONDUITS WITH CIRCUMFERENTIAL GROOVES"
PROCEEDINGS OF THE 6TH INTERNATIONAL SYMPOSIUM ON FRESH WATER FROM THE SEA, VOL.1, 1978, PP.163-192
025033 1978 ** ROUGHSURF
EXTENDED SURF CONDENSATION POOLBOIL

SIDEMAN;S. LEVIN;A.
"EFFECT OF THE CONFIGURATION ON HEAT TRANSFER TO GRAVITY DRIVEN FILMS EVAPORATING ON GROOVED TUBES"
DESALINATION, VOL.31, 1979, PP.7-16
033003 1979 ** EXTENDED SURF
POOLBOIL

SIDEMAN;S. MOALEM-MARON;D.
 "TRANSPORT CHARACTERISTICS OF THIN FILMS: EVAPORATION,
 CONDENSATION AND MASS TRANSFER ON SMOOTH AND GROOVED
 HORIZONTAL CONDUITS"
 TWO-PHASE MOMENTUM, HEAT AND MASS TRANSFER IN CHEMICAL,
 PROCESS, AND ENERGY ENGINEERING SYSTEMS, VOL. 2, HEMISPHERE
 PUBLISHING CORPORATION, WASHINGTON, 1979, PP. 877-896
 033041 1979 ** EXTENDED SURF
 POOLBOIL CONDENSATION MASSTRAN

SIDEMAN;S.
 "DEVELOPMENT OF HORIZONTAL EVAPORATOR-CONDENSER: FILM
 EVAPORATION AND CONDENSATION IN DESALINATION"
 CHEMICAL ENGINEERING RESEARCH CENTRE, REPORT NO. 71,
 HAIFA, ISRAEL, MAY 1980
 033042 1980 ** EXTENDED SURF
 POOLBOIL CONDENSATION

SIDEMAN;S.
 "DEVELOPMENT OF HORIZONTAL EVAPORATOR CONDENSER ENHANCED
 HEAT TRANSFER IN HORIZONTAL EVAPORATOR-CONDENSER. PART I:
 TRANSFER CHARACTERISTICS OF CONVEX AND CONCAVE RIVULET FLOWS
 ON INCLINED SURFACES WITH STRAIGHT-EDGED GROOVES."
 CHEMICAL ENGINEERING RESEARCH CENTRE, REPORT NO. 52,
 HAIFA, ISRAEL, 1978
 033043 1978 ** EXTENDED SURF
 POOLBOIL CONDENSATION

SIDEMAN;S.
 "DEVELOPMENT OF HORIZONTAL EVAPORATOR-CONDENSER. ENHANCED
 HEAT TRANSFER IN HORIZONTAL EVAPORATOR CONDENSER. PART II:
 FLOW REGIMES AND HEAT TRANSFER COEFFICIENTS FOR STRAIGHT-
 EDGED GROOVES."
 CHEMICAL ENGINEERING RESEARCH CENTRE, REPORT NO. 53,
 HAIFA, ISRAEL, 1978
 033044 1978 ** EXTENDED SURF
 POOLBOIL CONDENSATION
 NHC

SIDEMAN;S.
 "FILM EVAPORATION AND CONDENSATION IN DESALINATION"
 HEAT EXCHANGERS, THERMAL-HYDRAULIC FUNDAMENTALS AND
 DESIGN, HEMISPHERE PUBLISHING CORPORATION, WASHINGTON,
 AND MC GRAW-HILL BOOK COMPANY, NEW YORK, 1981, PP. 357-376
 023029 1981 ** ROUGH SURF
 POOLBOIL EXTENDED SURF CONDENSATION

SIMAN-TOV;M.
 "ANALYSIS AND DESIGN OF EXTENDED SURFACES IN BOILING
 LIQUIDS"

CHEMICAL ENGINEERING PROGRESS SYMPOSIUM SERIES NO.102,
 VOL.66, 1970, pp.174-184
 033004 1969 AICHE EXTENDED SURF
 POOLBOIL

SOTANI;J. MOROOKA;S. INOUE;A.
 "FILM EVAPORATION OF A LOW-FIN TUBE"
 REFRIGERATION, VOL.56, NO.641, 1981, pp.195-202
 033059 1981 ** EXTENDED SURF
 POOLBOIL
 NHC

THOMAS;A. HILLIS;D. PANCHAL;C.
 LORENZ;J. YUNG;D. SATHER;N.
 "EXPERIMENTAL TESTS OF 1 MWT OTEC HEAT EXCHANGERS AT ARGONNE
 NATIONAL LABORATORY"
 PROCEEDINGS OF THE SEVENTH OCEAN ENERGY CONFERENCE, CONF-
 800633, VOL.2, 1980, PP.12.1-1 - 12.1-8
 013112 1980 ** TREAT SURF
 POOLBOIL EXTENDED SURF CONDENSATION

UEHARA;H. KUSUDA;H. MIYOSHI;M.
 SUMITOMO;H.
 "PLATE TYPE EVAPORATOR AND CONDENSER FOR OCEAN THERMAL
 ENERGY CONVERSION PLANT"
 PROCEEDINGS OF THE FIFTH OCEAN THERMAL ENERGY CONVERSION
 CONFERENCE, MIAMI BEACH, FLORIDA, FEBRUARY, 1978,
 PP.VI/261-VI/287
 033031 1978 OTEC EXTENDED SURF
 POOLBOIL CONDENSATION

VASILEV;L.L. ABRAMENKO;A.N. KANONCHIK;L.E.
 "FLUID EVAPORATION AND BOILING HEAT TRANSFER IN THE GROOVES
 OF THIN-FILM EVAPORATORS"
 AMERICAN INSTITUTE OF AERONAUTICS AND ASTRONAUTICS, VOL.17,
 1979, PP.1395-1401
 033047 1979 AIAA EXTENDED SURF
 POOLBOIL

VASILIEV;L.L. ABRAMENKO;A.N. KANONCHIK;L.E.
 "BOILING LIQUID HEAT TRANSFER ON POROUS AND DEVELOPED
 SURFACES"
 JOURNAL OF ENGINEERING PHYSICS, VOL.34, 1978, PP.508-524
 023024 1978 JEP ROUGH SURF
 POOLBOIL EXTENDED SURF

WESTWATER;J.W.
 "DEVELOPMENT OF EXTENDED SURFACES FOR USE IN BOILING
 LIQUIDS"
 AMERICAN INSTITUTE OF CHEMICAL ENGINEERS SYMPOSIUM SERIES,
 VOL.69, NO.131, 1973, PP.1-9
 000032 1973 AICHESS LIT SURVEY
 EXTENDED SURF POOLBOIL

EXTENDED SURFACES — FLOW BOILING

- ALEXANDER;L.G. HOFFMAN;H.W.
"PERFORMANCE CHARACTERISTICS OF ADVANCED EVAPORATOR TUBES
FOR LONG-TUBE VERTICAL EVAPORATORS"
OAK RIDGE NATIONAL LABORATORY REPORT ORNL-TM-2951,
JANUARY 1971
035014 1971 ORNL EXTENDED SURF
CONDENSATION FLOBOIL
- ALEXANDER;L.G. HOFFMAN;H.W.
"PERFORMANCE CHARACTERISTICS OF ADVANCED EVAPORATOR TUBES
FOR LONG-TUBE VERTICAL EVAPORATORS"
OAK RIDGE NATIONAL LABORATORY REPORT ORNL-TM-3272,
MARCH 1971
035015 1971 ORNL EXTENDED SURF
CONDENSATION FLOBOIL
- ALEXANDER;L.G. HOFFMAN;H.W.
"PERFORMANCE CHARACTERISTICS OF CORRUGATED TUBES FOR
VERTICAL TUBE EVAPORATORS"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.
71-HT-30, 1971
035016 1971 ASME EXTENDED SURF
CONDENSATION FLOBOIL
- ANDERSON;J.H. ANDERSON, JR.;J.H.
"COMPACT HEAT EXCHANGERS FOR SEA THERMAL POWER PLANTS"
PROCEEDINGS FOURTH ANNUAL CONFERENCE ON OCEAN THERMAL ENERGY
CONVERSION, MARCH 1977, PP. VI-3 - VI-14
150051 1977 ** PERFORMANCE
FLOBOIL EXTENDED SURF
- ANONYMOUS
"ENHANCED HEAT TRANSFER TUBES FOR SEAWATER DISTILLATION
(DESALINATION)"
TECHNICAL BULLETIN NO.17, YORKSHIRE IMPERIAL METALS LIMITED,
LEEDS, ENGLAND, AUGUST, 1973
035052 1973 ** EXTENDED SURF
CONDENSATION ROUGHSURF 1FORCECONV FLOBOIL
- BEURTHERET;C.A.
"TRANSFER DE FLUX SUPERIEUR A 1 KW/CM2 PAR DOUBLE
CHANGEMENT DE PHASE ENTRE UNE PAROI NON ISOTHERME ET UN
LIQUID EN CONVECTION FORCEE"
HEAT TRANSFER 1970, VOL.V, PAPER B4.2, ELSEVIER PUBLISH-
ING COMPANY, AMSTERDAM, 1970
034006 1970 I VIHTC EXTENDED SURF
FLOBOIL
- BOLING;C. DONOVAN;W.J. DECKER;A.S.
"HEAT TRANSFER OF EVAPORATING FREON WITH INNER FIN TUBING"
REFRIGERATING ENGINEERING, VOL.61, 1953, PP.1338-1340, 1384
034001 1953 ** EXTENDED SURF
FLOBOIL
- CHEN;C.C. LCH;J.V. WESTWATER;J.W.
"PREDICTION OF BOILING HEAT TRANSFER DUTY IN A COMPACT
PLATE-FIN HEAT EXCHANGER USING THE IMPROVED LOCAL
ASSUMPTION"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.24,
1981, PP.1907-1912
034035 1981 I JHMT EXTENDED SURF
FLOBOIL
- COSIER;J. CROFT;A.J.
"A NEW FORM OF FINNED-TUBE HEAT EXCHANGER"
CRYogenics, VOL.10, 1970, PP.259-240
032053 1970 ** EXTENDED SURF
1FORCECONV FLOBOIL
- D'YACHKOV;F.N.
"INVESTIGATION OF HEAT TRANSFER AND HYDRAULICS FOR BOILING
FREON-22 IN INTERNALLY FINNED TUBES"
HEAT TRANSFER - SOVIET RESEARCH, VOL.10, NO.2, 1978, PP.
10-19
034014 1978 HTSR EXTENDED SURF
FLOBOIL
- DEREVYANKO;D.Y. DOLGINTSEV;I.I. MAKHALOVA;M.V.
SINELNIKOV;V.S. KOVALEV;S.A.
"HEAT TRANSFER CRISIS IN SUBCOOLED FORCED-MOTION WATER
BOILING ON A FINNED SURFACE"
ABSTRACT FROM THE FIFTH ALL-UNION HEAT AND MASS TRANSFER
- CONFERENCE, MINSK, USSR, 1976, PP.75-76
034032 1976 ** EXTENDED SURF
FLOBOIL
- DITZLER;J.W.
"FORCED CONVECTION BOILING OF REFRIGERANTS IN AN INTERNAL-
LY-FINNED HORIZONTAL TUBE"
M.S. THESIS, PURDUE UNIVERSITY, 1963
034002 1963 ** EXTENDED SURF
FLOBOIL NHC
- FAST;P. SCHROEDER;J.J.
"INVESTIGATION OF HEAT TRANSFER IN A MULTI-EFFECT
EXPERIMENTAL FALL FILM EVAPORATOR WITH ENHANCED SURFACES"
PROCEEDINGS OF THE 6TH INTERNATIONAL SYMPOSIUM ON FRESH
WATER FROM THE SEA, VOL.1, 1978, PP.157-166
034022 1978 ** EXTENDED SURF
FLOBOIL CONDENSATION
- FONG;H.L. KING;C.J. SEPHTON;H.H.
"AN EXPERIMENTAL STUDY OF HEAT TRANSFER IN UPFLOW VERTICAL-
TUBE EVAPORATION"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.75-HT-46,
1975
034027 1975 ASME EXTENDED SURF
FLOBOIL
- FONG;H.L. KING;C.J. SEPHTON;H.H.
"UPFLOW VERTICAL TUBE EVAPORATION WITH INTERFACE
ENHANCEMENT PRESSURE DROP REDUCTION AND HEAT TRANSFER
ENHANCEMENT BY THE ADDITION OF A SURFACTANT"
DESALINATION, VOL.16, NO.1, 1975, PP.15-38
034042 1975 ** EXTENDED SURF
FLOBOIL ADDFORLIQUIDS
- GOTTSMANN;C.F. O'NEILL;P.S. MINTON;P.E.
"HIGH EFFICIENCY HEAT EXCHANGERS"
CHEMICAL ENGINEERING PROGRESS, VOL.69, NO.7, 1973, PP.69-75
013044 1973 CEP TREATSURF
EXTENDED SURF POOLBOIL FLOBOIL
- GRACHEV;N.S. KIRILLOV;P.L. PRUKHORJVA;V.A.
"HEAT TRANSFER EXPERIMENTS IN AN INTERNALLY-FINNED STEAM
GENERATING PIPE"
TEPLOFIZIKA VYSOKIKH TEMPERATUR, VOL.14, NO.6, 1976,
PP.1105-1110
034016 1976 ** EXTENDED SURF
FLOBOIL
- HILL;K.
"ENHANCED HEAT TRANSFER TUBES"
FAIRLEIGH DICKINSON UNIVERSITY SUMMER COURSE 1978, THEORY
AND PRACTICE OF DESALINATION, 368/KH/MEP, JULY 27, 1978
034007 1978 ** EXTENDED SURF
1FORCECONV CONDENSATION FLOBOIL
- ITO;M. KIMURA;H. SENSU;T.
"DEVELOPMENT OF HIGH EFFICIENCY AIR-COOLED HEAT EXCHANGERS"
HITACHI REVIEW, VOL.20, 1977, PP.323-326
032194 1977 ** EXTENDED SURF
1FORCECONV FLOBOIL
- JOHNSON;B.M. JANSEN;G. OWZARSKI;P.C.
"ENHANCED EVAPORATING FILM HEAT TRANSFER FROM CORRUGATED
SURFACES"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.
71-HT-33, 1971
034005 1971 ASME EXTENDED SURF
FLOBOIL
- JONES;J.K.
"BOILING HEAT TRANSFER ENHANCEMENT USING INTEGRAL FINS
INSIDE TUBES"
SOCIETY OF AUTOMOTIVE ENGINEERS PAPER NO.700115, 1970
034024 1970 SAE EXTENDED SURF
FLOBOIL
- KHAN;A.R.
"HEAT TRANSFER FROM LARGE DOUBLE-FLUTED VERTICAL TUBE
EVAPORATORS"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.

- 71-HT-34, 1971
035012 1971 ASME EXTENDED SURF
CONDENSATION FLOBOIL
- KIMURA;H. ITO;M.
"EVAPORATING HEAT TRANSFER IN SPIRALLY GROOVED HORIZONTAL TUBES IN FLOW REGION"
BULLETIN OF THE JAPAN SOCIETY OF MECHANICAL ENGINEERS, VOL.24, 1981, PP.1602-1607
034036 1981 BJSME EXTENDED SURF
FLOBOIL
- KITTO;J.E. WIENER;M.
"EFFECTS OF NONUNIFORM CIRCUMFERENTIAL HEATING AND INCLINATION ON CRITICAL HEAT FLUX IN SMOOTH AND RIBBED BORE TUBES"
HEAT TRANSFER 1982, VOL.4, HEMISPHERE PUBLISHING COMPANY, WASHINGTON, D.C., 1982, PP.297-302
034038 1982 VIIIIITC EXTENDED SURF
FLOBOIL
- KOVALEV;S.A. DEREVYANKO;D.Y.
"SUBCOOLED WATER BOILING HEAT TRANSFER CRISIS ON A FINNED SURFACE UNDER FORCED MOTION CONDITIONS"
HEAT AND MASS TRANSFER - 5, VOL.3, NO.1, MINSK, 1976, PP.162-169
034020 1976 ** EXTENDED SURF
FLOBOIL
NHC
- KOVALEV;S.A. DEREVYANKO;D.Y. MAKHALOVA;M.V.
DOLGINTSEV;I.I. SINEL'NIKOV;V.S.
"HEAT TRANSFER CRISIS IN BOILING OF SUBCOOLED WATER ON A FINNED SURFACE UNDER FORCED-CONVECTION CONDITIONS"
HEAT TRANSFER - SOVIET RESEARCH, VOL.8, NO.4, 1976, PP.73-78
034026 1976 HTSR EXTENDED SURF
FLOBOIL
- KUBANEK;G.R. MILETTI;D.L.
"EVAPORATIVE HEAT TRANSFER AND PRESSURE DROP PERFORMANCE OF FORCE-FIN TUBES WITH REFRIGERANT-22"
NORANDA RESEARCH CENTRE REPORT NO.340, POINTE CLAIRE, QUEBEC, CANADA, JULY 1976
034013 1976 ** EXTENDED SURF
FLOBOIL
- KUBANEK;G.R. MILETTI;D.L.
"EVAPORATIVE HEAT TRANSFER AND PRESSURE DROP PERFORMANCE OF INTERNALLY-FINNED TUBES WITH REFRIGERANT 22"
JOURNAL OF HEAT TRANSFER, VOL.101, 1979, PP.447-452
034025 1977 JHT EXTENDED SURF
FLOBOIL
- LANKEVICH;V.I. PEREPELTSIA;N. SAPANKEVICH;A.D.
"INTENSIFICATION OF HEAT REMOVAL IN TUBES WITH INTERNAL HELICAL FINNING"
THERMAL ENGINEERING, VOL.27, NO.4, 1980, PP.203-205
034039 1980 TENG EXTENDED SURF
FLOBOIL
- LAVIN;J.G. YOUNG;E.H.
"HEAT TRANSFER TO EVAPORATING REFRIGERANTS IN TWO PHASE FLOW"
AMERICAN INSTITUTE OF CHEMICAL ENGINEERS JOURNAL, VOL.11, 1965, PP.1124-1132
034003 1964 AICHEJ EXTENDED SURF
FLOBOIL
- MARTIN;H. SCHLUENDER;E.U. VOGELPOHL;A.
"ENHANCED HEAT TRANSFER WITH FLUTED TUBES FOR CONDENSATION AND EVAPORATION - AN EXPERIMENTAL STUDY;"
VON KARMAN INSTITUTE FOR FLUID DYNAMICS OF VKI LS-94, JANUARY 1977
024026 1977 ** ROUGH SURF
FLOBOIL CONDENSATION EXTENDED SURF
- MASNOVI;R. WILLIAMS JR.;J.S.
"DEPARTURE FROM NUCLEATE BOILING FOR 0.097 INCH X 1 INCH X 12.06 INCH, FINNED RECTANGULAR CHANNEL TEST SECTION"
WESTINGHOUSE ATOMIC POWER DIVISION REPORT WAPD-TH-459, 1958
034004 1958 ** EXTENDED SURF
FLOBOIL
- MC GOWAN;J.G. IERONEMUS;W.E. BRAREN;R.
"DEVELOPMENT OF COMPACT HEAT EXCHANGERS FOR OCEAN THERMAL ENERGY CONVERSION (OTEC) SYSTEMS"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.78-WA/HT-34, 1978
034019 1978 ASME EXTENDED SURF
FLOBOIL CONDENSATION
- MINCHENKO;F.P. SHVARTSMAN;G.S.
"HEAT TRANSFER ENHANCEMENT IN FINNED STEAM GENERATING TUBES"
HEAT TRANSFER-SOVIET RESEARCH, VOL. 11, 1979, NO.2, PP.14-23
034029 1979 HTSR EXTENDED SURF
FLOBOIL
- NISHIKAWA;K. YOSHIDA;S. OHNU;M.
OHISHI;K.
"IMPROVEMENT IN HEAT TRANSFER PERFORMANCE AT HIGH HEAT FLUXES WITH INTERNALLY GROOVED BOILER TUBES"
MEMOIRS OF THE FACULTY OF ENGINEERING, KYUSHU UNIVERSITY, VOL.35, 1974, PP.37-49
034012 1975 ** EXTENDED SURF
FLOBOIL
- NOSETAN;T. SATO;S.
"DETERMINATION OF OVERALL HEAT TRANSFER COEFFICIENT OF FLUTED TUBES"
SUMITOMO LIGHT METAL TECHNICAL REPORTS, VOL.17, NO.1, NO.2, 1976, PP.54-60
035065 1976 ** EXTENDED SURF
CONDENSATION 1FORCECONV FLOBOIL
- O'NEILL;P.S. KING;R.C. RAGI;E.G.
"APPLICATION OF HIGH PERFORMANCE EVAPORATOR TUBING IN REFRIGERATION SYSTEMS OF LARGE OLEFIN PLANTS"
AMERICAN INSTITUTE OF CHEMICAL ENGINEERS SYMPOSIUM SERIES, VOL.76, NO.199, 1980, PP.289-300
034016 1980 AICHESS EXTENDED SURF
FLOBOIL
- ORLOV;V.K. KUZMENKO;P.G.
"HEAT TRANSFER WITH FILM BOILING OF CRYOGENIC LIQUIDS IN A CHANNEL WITH SMOOTH INTEGRATED FINS"
THERMAL ENGINEERING, VOL.28, 1981, PP.215-217
034040 1981 TENG EXTENDED SURF
FLOBOIL
- PANDOLFINI;P.P. KEIRSEY;J.L. FUNK;J.A.
CUSICK;R.T.
"TESTS OF THE APL/JH6 FOLDED-TUBE, OTEC HEAT EXCHANGER CORE UNIT"
HEAT TRANSFER IN OCEAN THERMAL ENERGY (OTEC) SYSTEMS, HTD-VOL. 12, ASME, NEW YORK 1980, PP. 9-15
034033 1980 ** EXTENDED SURF
FLOBOIL CONDENSATION
- PANITSIDIS;H. GRESHAM;R.D. WESTWATER;J.W.
"BOILING OF LIQUIDS IN A COMPACT PLATE-FIN HEAT EXCHANGER"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.18, 1975, PP.37-42
034023 1975 IJHMT EXTENDED SURF
FLOBOIL
- PEARSON;J.F. YOUNG;E.H.
"SIMULATED PERFORMANCE OF REFRIGERANT-22 BOILING INSIDE OF TUBES IN A FOUR TUBE PASS SHELL AND TUBE HEAT EXCHANGER"
CHEMICAL ENGINEERING PROGRESS SYMPOSIUM SERIES NO.102, VOL.66, 1970, PP.164-173
034015 1970 CEPSS EXTENDED SURF
FLOBOIL
- RIFERT;V.G. BUTIZOV;A.I. BELIK;D.N.
"HEAT TRANSFER IN VAPOR GENERATION IN A FALLING FILM INSIDE A VERTICAL TUBE WITH A FINELY-FINNED SURFACE"
HEAT TRANSFER - SOVIET RESEARCH, VOL.7, NO.2, 1975, PP.22-25
034011 1975 HTSR EXTENDED SURF
FLOBOIL
- ROBERTSON;J.M. LOVEGROVE;P.C.
"BOILING HEAT TRANSFER WITH FREON 11 IN BRAZED-ALUMINIUM PLATE-FIN HEAT EXCHANGERS"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO. 80-HT-58,

1980
034026 1980 ASME EXTENDED SURF
FLOBOIL

SABIN; C.M. POPPENDIEK; H.F. CONNELLY; D.J.
"NUCLEATING VAPORIZATION AND EXTENDED SURFACE HEAT TRANSFER
AT LOW TEMPERATURE DIFFERENCE"
GEOSCIENCE LTD., REPORT GLR-165, SOLANA BEACH, CALIFORNIA,
1976
022268 1976 ** ROUGH SURF
1 FORCE CONV FLOBOIL EXTENDED SURF
NHC

SATO; S. NAGATA; K.
"EVALUATION OF VARIOUS HEAT EXCHANGER TUBES FOR MSF PLANTS"
SUMITOMO LIGHT METAL TECHNICAL REPORTS, VOL.18, NO.1-2, 1977
035079 1977 ** EXTENDED SURF
CONDENSATION FLOBOIL ROUGH SURF

SCHAAL; M. ASCHNER; F.S. HASSON; D.
"LARGE LONG-TUBE VERTICAL EVAPORATORS FOR SEA WATER
DISTILLATION"
DESALINATION, VOL. 10, 1972, PP. 67-93
034031 1972 ** EXTENDED SURF
FLOBOIL CONDENSATION PERFORMANCE

SCHLUENDER; E.U. CHAWLA; J.M.
"CERTLICHER WÄRMEÜBERGANG UND DRUCKABFALL BEI DER
STROMUNG VERDAMPFENDER KÄLTEMITTEL IN INNENBERIPPTEN,
WAAGERECHTEN RÖHREN"
KÄLTE TECHNIK-KLIMATISIERUNG, VOL.21, NO.5, 1961,
PP.136-139
034009 1961 ** EXTENDED SURF
FLOBOIL

SCHROCK; V.E. SEXTON; D.
"ANALYSIS OF FORCED CONVECTION SUBCOOLED BOILING IN
INTERNALLY FINNED CHANNELS"
HEAT TRANSFER 1982, VOL.4, HEMISPHERE PUBLISHING COMPANY,
WASHINGTON, D.C., 1982, PP.237-241
034037 1982 VIII HTC EXTENDED SURF

FLOBOIL

SEPTON; H.H.
"VERTICAL TUBE EVAPORATION WITH DOUBLE FLUTED TUBE AND
INTERFACE ENHANCEMENT"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.
75-HT-43, 1975
034010 1975 ASME EXTENDED SURF
ADD FOR LIQUIDS FLOBOIL

SIMPSON; H.C. BEGGS; G.C. LEWIS; J.S.
LINSTRUM; A.
"EVAPORATION FROM FLUTED SURFACES"
FIFTH INTERNATIONAL SYMPOSIUM ON FRESH WATER FROM THE SEA,
VOL. 2, 1976, PP. 289-300
VI-104.
034030 1976 ** EXTENDED SURF
FLOBOIL

SUBBOTIN; V.I. KAZNOVSKIY; S.P. SAPANKEVICH; A.P.
"AN EXPERIMENTAL STUDY OF METHODS FOR AUGMENTING THE
CRITICAL CAPACITY OF STEAM-GENERATING TUBES"
HEAT TRANSFER - SOVIET RESEARCH, VOL.7, NO.5, 1975, PP.85-95
054011 1975 HTSR SWIRL FLO
FLOBOIL ROUGH SURF EXTENDED SURF COILED TUBE

THOMAS; D.G. YOUNG; G.
"THIN-FILM EVAPORATION ENHANCEMENT BY FINNED SURFACES"
INDUSTRIAL AND ENGINEERING CHEMISTRY, PROCESS DESIGN AND
DEVELOPMENT, VOL.9, 1970, PP.317-323
034008 1970 ** EXTENDED SURF
FLOBOIL

YUNG; D. LORENZ; J.J. PANCHAL; C.
"CONVECTIVE VAPORIZATION AND CONDENSATION IN SERRATED-FIN
CHANNELS"
HEAT TRANSFER IN OCEAN THERMAL ENERGY (OTEC) SYSTEMS,
HTD-VOL. 12, ASME, NEW YORK, 1980, PP. 29-37
034034 1980 ** EXTENDED SURF
FLOBOIL CONDENSATION

EXTENDED SURFACES — CONDENSATION

- ADEMEK;T.
"BESTIMMUNG DER KONDENSATIONS-GROESSEN AUF FEINGEWELLTEN
OBERFLAECHE ZUR AUSLEGUNG OPTIMALER WANDPROF. ILE"
WAERME-UND STOFFUEBERTRAGUNG, VOL.15, 1981, PP.255-270
035108 1981 ** EXTENDED SURF
CONDENSATION
- ALEXANDER;L.G. HOFFMAN;H.W.
"PERFORMANCE CHARACTERISTICS OF ADVANCED EVAPORATOR TUBES
FOR LONG-TUBE VERTICAL EVAPORATORS"
OAK RIDGE NATIONAL LABORATORY REPORT ORNL-TM-2951,
JANUARY 1971
035014 1971 ORNL EXTENDED SURF
CONDENSATION FLOBOIL
- ALEXANDER;L.G. HOFFMAN;H.W.
"PERFORMANCE CHARACTERISTICS OF ADVANCED EVAPORATOR TUBES
FOR LONG-TUBE VERTICAL EVAPORATORS"
OAK RIDGE NATIONAL LABORATORY REPORT ORNL-TM-3272,
MARCH 1971
035015 1971 ORNL EXTENDED SURF
CONDENSATION FLOBOIL
- ALEXANDER;L.G. HOFFMAN;H.W.
"PERFORMANCE CHARACTERISTICS OF CORRUGATED TUBES FOR
VERTICAL TUBE EVAPORATORS"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.
71-HT-30, 1971
035016 1971 ASME EXTENDED SURF
CONDENSATION FLOBOIL
- ALEXANDER;L.G. JOYNER;J.D. HOFFMAN;H.W.
"ADVANCED VTE HEAT-TRANSFER SURFACES"
PRESENTED AT OFFICE OF SALINE WATER SYMPOSIUM ON ENHANCED
TUBES FOR DESALINATION PLANTS, MARCH 1969
035032 1969 OSW EXTENDED SURF
CONDENSATION
- ANONYMOUS
"CONDENSER AND FAN DEVELOPMENT FOR AUTOMOTIVE RANKINE
ENGINES"
ENVIRONMENTAL PROTECTION AGENCY, DIVISION OF ADVANCED
AUTOMOTIVE POWER SYSTEMS DEVELOPMENT, AUTOMOTIVE RANKINE
CYCLE CONTRACTORS COORDINATION MEETING, ANN ARBOR, MICHIGAN,
DECEMBER 1972
035041 1972 ** EXTENDED SURF
CONDENSATION
- ANONYMOUS
"ENHANCED HEAT TRANSFER TUBES FOR SEAWATER DISTILLATION
(DESALINATION)"
TECHNICAL BULLETIN NO.17, YORKSHIRE IMPERIAL METALS LIMITED,
LEEDS, ENGLAND, AUGUST, 1973
035052 1973 ** EXTENDED SURF
CONDENSATION ROUGH SURF 1 FORCE CONV FLOBOIL
- ANTONELLI;R. CHESNOY;A.B.
"APPLICATION OF ADVANCED HEAT-TRANSFER TECHNOLOGY TO THE
CHEMICAL PROCESS INDUSTRY AND CONSEQUENT ENERGY SAVINGS"
PRESENTED AT THE VI CONVENCIÓN NACIONAL DE LA INDUSTRIA
QUÍMICA, MADRID, SPAIN, DECEMBER 1976
013100 1976 ** TREAT SURF
POOLBOIL EXTENDED SURF CONDENSATION
- AWERBUCH;L. ROGERS;A.N.
"USE OF DOUBLE-FLUTED TUBES IN VERTICAL PREHEATERS AND
CONDENSERS OF MSF DISTILLATION PLANTS"
DESALINATION, VOL.17, 1975, PP.121-130
035068 1975 ** EXTENDED SURF
CONDENSATION
- AZER;N.Z. SAID;S.A.
"AUGMENTATION OF CONDENSATION HEAT TRANSFER BY INTERNALLY
FINNED TUBES AND TWISTED TAPE INSERTS"
DEPARTMENT OF MECHANICAL ENGINEERING, KANSAS STATE
UNIVERSITY FINAL TECHNICAL REPORT, JUNE 1981
035112 1981 ** EXTENDED SURF
CONDENSATION SWIRLFLO
- AZER;N.Z. SAID;S.A.
"AUGMENTATION OF CONDENSATION HEAT TRANSFER BY INTERNALLY
FINNED TUBES AND TWISTED TAPE INSERTS"
- HEAT TRANSFER 1982, VOL.5, HEMISPHERE PUBLISHING COMPANY,
WASHINGTON, D.C., 1982, PP.33-38
035124 1982 VII HTC EXTENDED SURF
CONDENSATION
- BARNES, JR.;C.G. ROHSENOW;W.M.
"VERTICAL FLUTED TUBE CONDENSER PERFORMANCE PREDICTION"
HEAT TRANSFER 1982, VOL.5, HEMISPHERE PUBLISHING COMPANY,
WASHINGTON, D.C., 1982, PP.39-43
035123 1982 VII HTC EXTENDED SURF
CONDENSATION
- EATTY;K.C. KATZ;D.L.
"CONDENSATION OF VAPORS ON OUTSIDE OF FINNED TUBES"
CHEMICAL ENGINEERING PROGRESS, VOL.44, NO.1, 1948, PP.55-70
035036 1948 CEP EXTENDED SURF
CONDENSATION
- BERGLES;A.E.
"HEAT TRANSFER CHARACTERISTICS OF TURBOTEC TUBING"
HEAT TRANSFER LABORATORY REPORT NO. HTL-24,
ISU-ERI-AMES-81018, IOWA STATE UNIVERSITY, 1980
000085 1980 ISU LITSURVEY
ROUGH SURF EXTENDED SURF 1 NAT CONV 1 FORCE CONV
CONDENSATION MASSTRAN
- BERNDT;T. CONNELL;J.W.
"PLATE HEAT EXCHANGERS FOR CTEC"
PROCEEDINGS OF THE FIFTH OCEAN THERMAL ENERGY CONVERSION
CONF., MIAMI BEACH, FLORIDA, FEBRUARY 1978, PP.VI/288-VI/320
033032 1978 ** EXTENDED SURF
POOLBOIL CONDENSATION
- BUTUZOV;A.I. RIFERT;V.G. LEONT'YEV;G.G.
"HEAT TRANSFER IN STEAM CONDENSATION ON WIRE-FINNED VERTICAL
TUBES"
HEAT TRANSFER - SOVIET RESEARCH, VOL.7, NO.5, 1975,
PP.116-120
035046 1975 HTSR EXTENDED SURF
CONDENSATION
- CARNAVOS;T.C.
"AUGMENTING HEAT TRANSFER IN DESALINATION EQUIPMENT WITH
FLUTED SURFACES"
PRESENTED AT OFFICE OF SALINE WATER SYMPOSIUM ON ENHANCED
TUBES FOR DESALINATION PLANTS, MARCH 1969
035010 1969 OSW EXTENDED SURF
CONDENSATION
- CARNAVOS;T.C.
"AN EXPERIMENTAL STUDY: CONDENSING R-11 ON AUGMENTED TUBES"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.80-HT-54,
1980
035091 1980 ASME EXTENDED SURF
CONDENSATION
- CHAIKOVSKI;V.F. BAKHTIOZIN;R.A. LUKANOV;I.I.
PUCHKOV;B.V.
"HEAT AND MASS TRANSFER DURING THE CONDENSATION OF MIXTURES
OF FREON-12 AND -22 ON HORIZONTAL FINNED TUBES"
KHOLODIL'NAYA TEKHNIKA, VOL.50, NO.2, 1973, PP.24-28
035058 1973 ** EXTENDED SURF
CONDENSATION
- CHANDRAN;R. WATSON;F.A.
"CONDENSATION ON STATIC AND ROTATING PINNED TUBES"
TRANSACTIONS OF THE INSTITUTION OF CHEMICAL ENGINEERS,
VOL.54, 1976, PP.65-72
035069 1976 ** EXTENDED SURF
MECHAID CONDENSATION COMPOUND TECH SURFTREAT
- CIFTCI;H.
"AN EXPERIMENTAL STUDY OF FILMWISE CONDENSATION ON
HORIZONTAL ENHANCED CONDENSER TUBING"
M.S. THESIS, NAVAL POSTGRADUATE SCHOOL, MONTEREY,
CALIFORNIA, DECEMBER 1979
035087 1979 ** EXTENDED SURF
CONDENSATION
- COMBS;S.K.
"AN EXPERIMENTAL STUDY OF HEAT TRANSFER ENHANCEMENT FOR
AMMONIA CONDENSING ON VERTICAL FLUTED TUBES"

OAK RIDGE NATIONAL LABORATORY REPORT NO. ORNL-5356,

JANUARY 1978

035080 1978 ORNL EXTENDED SURF
CONDENSATIONCOMBS; S.K. MAILEN; G.S. MURPHY; R.W.
"CONDENSATION OF REFRIGERANTS ON VERTICAL FLUTED TUBES"
OAK RIDGE NATIONAL LABORATORY REPORT NO. ORNL/TM-5648,
AUGUST 1978
025022 1978 ORNL ROUGH SURF
CONDENSATION EXTENDED SURFCUNNINGHAM; J.
"THE EFFECT OF NONCONDENSABLE GASES ON ENHANCED SURFACE
CONDENSATION"
POWER CONDENSER HEAT TRANSFER TECHNOLOGY, HEMISPHERE
PUBLISHING CORPORATION, WASHINGTON, 1981, PP. 353-366
035005 1981 ** CONDENSATION
EXTENDED SURFOZIKK; A.M. FRICKE; H.D. GANIC; E.N.
SHARMA; B.L.
"FLUID DYNAMIC AND HEAT TRANSFER STUDIES OF OTEC HEAT EX-
CHANGERS"
PROCEEDINGS OF THE FIFTH OCEAN THERMAL ENERGY CONVERSION
CONFERENCE, MIAMI BEACH, FLORIDA, 1978, PP. VI181-VI236
013078 1978 OTEC TREAT SURF
POOLBOIL EXTENDED SURF CONDENSATIONDARWISH; M.A.
"FILM-WISE CONDENSATION ON PLANE AND FLUTED TUBES"
PROCEEDINGS OF THE 6TH INTERNATIONAL SYMPOSIUM ON FRESH
WATER FROM THE SEA, VOL. 1, 1978, PP. 145-156
025032 1978 ** ROUGH SURF
EXTENDED SURF CONDENSATIONDEROV; V.T. KOLYKHAN; L.I. NESTERENKO; V.B.
PULYAEV; V.F.
"GENERALIZATION OF EXPERIMENTAL DATA ON HEAT TRANSFER DURING
CONDENSATION IN HORIZONTAL PIPES WITH CROSS FINNING"
AKADEMIYA NAUK BSSR, VESTSI SERIYA FIZIKA-ENERHETICHNYKH
NAVUK, NO. 3, 1974, PP. 66-70
035050 1974 ** EXTENDED SURF
CONDENSATIONHIGHF; S.V. ROTHFUS; R.R. WILLIAMS; D.F.
"CONDENSATION HEAT TRANSFER ON LONG VERTICAL AXIALLY RIDGED
TUBES"
HEAT TRANSFER IN OCEAN THERMAL ENERGY (OTEC) SYSTEMS,
HTD-VOL. 12, ASME, NEW YORK 1980, PP. 1-8
035103 1980 ** EXTENDED SURF
CONDENSATIONDIGHE; S.V.
"CONDENSATION OF VAPORS ON AXIALLY FLUTED VERTICAL TUBES"
DISSERTATION, CARNEGIE-MELLON UNIVERSITY, 1979
035105 1979 ** EXTENDED SURF
CONDENSATIONDOMINGO; N.
"CONDENSATION OF REFRIGERANT-11 ON THE OUTSIDE OF VERTICAL
ENHANCED TUBES"
OAK RIDGE NATIONAL LABORATORY, REPORT NO. ORNL/TM-7797,
AUGUST 1981
035100 1981 ORNL EXTENDED SURF
CONDENSATIONDOMINGO; N.
"CONDENSATION OF AMMONIA ON THE OUTSIDE OF SMOOTH AND FLUTED
TUBES AT VARIOUS TUBE POSITIONS"
OAK RIDGE NATIONAL LABORATORY, REPORT NO. ORNL-5826,
FEBRUARY 1982
035107 ** ORNL EXTENDED SURF
CONDENSATIONDOMINGO; N.
"CONDENSATION OF REFRIGERANT-11 ON THE OUTSIDE OF
HORIZONTAL AND INCLINED ENHANCED TUBES"
OAK RIDGE NATIONAL LABORATORY, REPORT NO. ORNL/TM-8494,
DECEMBER 1982
035126 1982 ORNL EXTENDED SURF
CONDENSATION

DOROKHOV; A.R.

"EXPERIMENTAL STUDY OF CONDENSATION OF FLOWING FREON-21
VAPOR ON HORIZONTAL FINNED TUBES"
HEAT TRANSFER-SOVIET RESEARCH, VOL. 11, NO. 2, 1979, PP. 123-127
035092 1979 HTSR EXTENDED SURF
CONDENSATIONEDWARDS; D.K. GIER; K.D. AYYASWAMY; P.S.
CATTON; I.
"EVAPORATION AND CONDENSATION IN CIRCUMFERENTIAL GROOVES
ON HORIZONTAL TUBES"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.
73-HT-25, 1973
033005 1973 ASME EXTENDED SURF
POOLBOIL CONDENSATIONEISENBERG; D.M.
"THE MULTITUDE CONDENSER TEST"
SYMPOSIUM ON ENHANCED TUBES FOR DESALINATION PLANTS,
OFFICE OF SALINE WATER, U.S. DEPARTMENT OF THE INTERIOR,
1970, PP. 155-176
035053 1970 OSW EXTENDED SURF
CONDENSATION 1 FORCECONV ROUGH SURFELLIOTT; L.C. DUKLER; A.E.
"PERFORMANCE OF THE FLUTED TUBE"
PRESENTED AT OFFICE OF SALINE WATER SYMPOSIUM ON ENHANCED
TUBES FOR DESALINATION PLANTS, MARCH 1969, PP. 47-78
035030 1969 OSW EXTENDED SURF
CONDENSATIONENDO; A. UTSUGI; H. SUZUKI; M.
OHTANI; S.
"HEAT TRANSFER FROM SURFACE WITH DIFFERENT HEAT TRANSFER
COEFFICIENTS - RECTANGULAR AND CYLINDRICAL MODELS"
HEAT TRANSFER - JAPANESE RESEARCH, VOL. 9, NO. 4, 1980,
PP. 58-62
035132 1980 HTJR EXTENDED SURF
CONDENSATIONFAST; P. SCHROEDER; J.J.
"INVESTIGATION OF HEAT TRANSFER IN A MULTI-EFFECT
EXPERIMENTAL FALL FILM EVAPORATOR WITH ENHANCED SURFACES"
PROCEEDINGS OF THE 6TH INTERNATIONAL SYMPOSIUM ON FRESH
WATER FROM THE SEA, VOL. 1, 1978, PP. 157-166
034022 1978 ** EXTENDED SURF
FLUOBOIL CONDENSATIONFENNER; J.H.
"AN EXPERIMENTAL COMPARISON OF ENHANCED HEAT TRANSFER
CONDENSER TUBING"
M.S. THESIS, NAVAL POSTGRADUATE SCHOOL, MONTEREY,
CALIFORNIA, SEPTEMBER 1978
035062 1978 ** EXTENDED SURF
CONDENSATIONFORD; J.A. BUTT; S.H.
"HELICALLY FORMED ENHANCED HEAT EXCHANGER TUBE"
OFFICE OF SALINE WATER SYMPOSIUM ON ENHANCED
TUBES FOR DESALINATION PLANTS, MARCH 1969, PP. 269-290
035029 1969 OSW EXTENDED SURF
CONDENSATION 1 FORCECONVFRANK; K.F. RHINESMITH; R.D.
"EXPERIMENTAL RESULTS OF RISING FILM OPERATIONS WITH
ENHANCED HEAT TRANSFER SURFACES"
PRESENTED AT OFFICE OF SALINE WATER SYMPOSIUM ON ENHANCED
TUBES FOR DESALINATION PLANTS, MARCH 1969
035037 1969 OSW EXTENDED SURF
CONDENSATIONFRICKE; H.D. WEBSTER; D.J. MCILROY; K.
BARTZ; J.A.
"HEAT TRANSFER PERFORMANCE OF A DRY AND WET ADVANCED COOLING
TOWER CONDENSER"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO. 80-HT-99,
1980
035090 1980 ASME EXTENDED SURF
CONDENSATION

GANIC; E.N. WU; J.

"ON THE SELECTION OF WORKING FLUIDS FOR OTEC POWER PLANTS"
ENERGY CONVERSION AND MANAGEMENT, VOL.20, NO.1, 1980,
PP.9-22
033061 1980 ** EXTENDED SURF
POOLBOIL CONDENSATION

GOGONIN;I.I. DOROKHOV;A.R.
"ENHANCEMENT OF HEAT TRANSFER IN HORIZONTAL SHELL-AND-TUBE
CONDENSERS"
HEAT TRANSFER - SOVIET RESEARCH, VOL.13, NO.3, 1981, PP.
119-126
035111 1981 HTSR EXTENDED SURF
CONDENSATION

GOPIN;S.R. USYUKIN;I.P. AVER'YANOV;I.G.
"HEAT TRANSFER IN CONDENSATION OF FREONS ON FINNED SURFACES"
HEAT TRANSFER - SOVIET RESEARCH, VOL.8, NO.6, 1976
PP.114-119
035077 1976 HTSR EXTENDED SURF
CONDENSATION

GREGORIG;R.
"HAUTKONDENSATION AN FEINGEWELLTEN OBERFLAECHEEN BEI
BERUECKSICHTIGUNG DER OBERFLAECHEENSPANNUNGEN"
ZEITSCHRIFT FUER ANGEWANDTE MATHEMATIK UND PHYSIK, VOL.5,
1954, PP.36-49
035051 1954 ** EXTENDED SURF
CONDENSATION

HASELER;L.
"CONDENSATION OF NITROGEN IN BRAZED ALUMINUM PLATE-FIN
HEAT EXCHANGERS"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO. 80-HT-57,
1980
035114 1980 ASME EXTENDED SURF
CONDENSATION
NHC

HILL;K.
"ENHANCED HEAT TRANSFER TUBES"
FAIRLEIGH DICKINSON UNIVERSITY SUMMER COURSE 1978, THEORY
AND PRACTICE OF DESALINATION, 368/KH/MEP, JULY 27, 1978
034007 1978 ** EXTENDED SURF
1FORCECONV CONDENSATION FLOBOIL

HIRASAWA;S. HIJIKATA;K. MORI;Y.
NAKAYAMA;W.
"EFFECT OF SURFACE TENSION ON LAMINAR FILM CONDENSATION
ALONG A VERTICAL PLATE WITH A SMALL LEADING RADIUS"
HEAT TRANSFER 1978, VOL.2, HEMISPHERE, 1978, PP.413-418
035070 1978 VIHTC EXTENDED SURF
CONDENSATION

HIRASAWA;S. HIJIKATA;K. MORI;Y.
NAKAYAMA;W.
"EFFECT OF SURFACE TENSION ON CONDENSATE MOTION IN LAMINAR
FILM CONDENSATION (STUDY OF LIQUID FILM IN A SMALL TROUGH)"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.23,
1980, PP.1471-1478
035140 1980 IJHMT EXTENDED SURF
CONDENSATION

HOFFMAN;H.W. ALEXANDER;L.G.
"TUBE IDENTIFIER"
OAK RIDGE NATIONAL LABORATORY REPORT ORNL-TM2713, OCTOBER
1971
035019 1971 ORNL EXTENDED SURF
1FORCECONV CONDENSATION

HONDA;H. NOZU;S. KITSUMORI;K.
"AUGMENTATION OF CONDENSATION ON HORIZONTAL FINNED TUBES
BY ATTACHING A POROUS DRAINAGE PLATE"
ASME-JSME THERMAL ENGINEERING JOINT CONFERENCE PROCEEDINGS,
HONOLULU, HAWAII, MARCH 1983, VOL.3, PP.289-296
035134 1983 ** EXTENDED SURF
CONDENSATION TREATSURF

HORAZAK;D.A. RAHAS;T.J.
"CAPITAL COST SYSTEM OPTIMIZATION OF OTEC POWER MODULES"
ENERGY TECHNOLOGY CONFERENCE, HOUSTON, TEXAS, NOVEMBER 1978
150064 1978 ** PERFORMANCE
TREATSURF ROUGHSURF EXTENDED SURF CONDENSATION

HUYGHE;J. LAURO;F.
"AMELIORATION DES PERFORMANCES DES CONDENSEURS"
REVUE INFORMATIONS AEREAULIQUES ET THERMIQUES, NO.35, 1972,
PP.15-22
035054 1972 ** EXTENDED SURF
CONDENSATION

IVANOV;O.P. EUTYRSKAYA;S.T. MAMCHENKO;V.O.
"HEAT TRANSFER ATTENDING THE CONDENSATION OF F-12 VAPOR
MOVING AT BUNDLES OF SMOOTH AND FINNED TUBES"
HEAT TRANSFER-SOVIET RESEARCH, VOL.4, NO.6, 1972, PP.143-149
035061 1972 HTSR EXTENDED SURF
CONDENSATION

KAJIKAWA;T. TAKAZAWA;H. NISHIYAMA;K.
AGAWA;T. IIDAKA;H. AMANO;M.
"DEVELOPMENT OF ENHANCEMENT OF THE WORKING FLUID SIDE HEAT
TRANSFER FOR OTEC"
PROCEEDINGS OF THE SEVENTH OCEAN ENERGY CONFERENCE, CONF-
800633, VOL.2, 1980, PP.12.2-1 - 12.2-9
013113 1980 ** TREATSURF
POOLBOIL EXTENDED SURF CONDENSATION

KARKHU;V.A. BOROVKOV;V.P.
"FILM CONDENSATION OF VAPOR AT FINELY-FINNED HORIZONTAL
TUBES"
HEAT TRANSFER-SOVIET RESEARCH, VOL.3, NO.2, 1971, PP.183-191
035018 1971 HTSR EXTENDED SURF
CONDENSATION

KATZ;D.L. WILLIAMS;R.B.
"DESIGN OF FINNED TUBE EXCHANGERS AND CONDENSERS"
CIL AND GAS JOURNAL, VOL. 48, JULY 28, 1949, PP.245, 246,
250, 254, 258, 335
032003 1949 ** EXTENDED SURF
1FORCECONV CONDENSATION

KATZ;D.L. HOPE;R.E. DATSKO;S.C.
ROBINSON;D.B.
"CONDENSATION OF FREON-12 WITH FINNED TUBES"
REFRIGERATING ENGINEERING, VOL.53, 1947, PP.211-217
035024 1947 ** EXTENDED SURF
CONDENSATION

KATZ;D.L. HOPE;R.E. DATSKO;S.C.
ROBINSON;D.B.
"CONDENSATION OF FREON-12 WITH FINNED TUBES. PART II"
REFRIGERATING ENGINEERING, VOL.53, 1947, PP.315-319, 352,
354
035025 1947 ** EXTENDED SURF
CONDENSATION

KATZ;D.L. YOUNG;E.H. BALEKJIAN;G.
"CONDENSING VAPORS ON FINNED TUBES"
PETROLEUM REFINER, NOVEMBER 1954, PP. 175-178
035102 1954 ** EXTENDED SURF
CONDENSATION

KAYS;D.D. CHIA;W.S.
"DEVELOPMENT AND APPLICATION OF MECHANICALLY ENHANCED HEAT
TRANSFER SURFACES"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.
71-HT-40, 1971
035006 1971 ASME EXTENDED SURF
CONDENSATION

KHAN;A.R.
"HEAT TRANSFER FROM LARGE DOUBLE-FLUTED VERTICAL TUBE
EVAPORATORS"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.
71-HT-34, 1971
035012 1971 ASME EXTENDED SURF
CONDENSATION FLOBOIL

KHARKHU;V.A. BOROVKOV;V.P.
"THE EFFECT OF TWIST IN A FLUID STREAM ON THE
INTENSIFICATION OF HEAT TRANSFER IN A CIRCULAR CYLINDRICAL
TUBE"
AD-729 750, 1971
035027 1971 ** EXTENDED SURF
CONDENSATION

- KIKKAWA;K. KAWAI;S. MACHUZAMA;T.
"SOME TRIALS ON THE IMPROVEMENTS OF CONDENSING HEAT TRANSFER
COEFFICIENTS OF FINNED-TUBE"
BULLETIN OF SCIENCE AND ENGINEERING RESEARCH LABORATORY,
WASEDA UNIVERSITY, JAPAN, VOL.78, 1977, PP.62-65
035045 1977 ** EXTENDED SURF
CONDENSATION
- KILIC;A. DNAT;K.
"THE OPTIMUM SHAPE FOR CONVECTING RECTANGULAR FINS WHEN
CONDENSATION OCCURS"
WAERME-UND-STOFFUEBERTRAGUNG, VOL.15, NO.2, 1981, PP.
125-133
035125 1981 ** EXTENDED SURF
CONDENSATION
- KORSMEYER;D.B.
"CONDENSING FLOW IN FINNED TAPERED TUBES"
OAK RIDGE NATIONAL LABORATORY REPORT ORNL-TM-534, MAY 1963
035009 1963 ORNL EXTENDED SURF
CONDENSATION
- KROEGER;D.G.
"DEVELOPMENT OF HIGH PERFORMANCE AIR-COOLED REFRIGERANT
CONDENSERS"
I.I.R.-COMMISSIONS B1, B2, E1, BEOGRAD, YUGOSLAVIA, 1977
035063 1977 ** EXTENDED SURF
CONDENSATION
- LEWIS;L.G. SATHER;N.F.
"OTEC PERFORMANCE TESTS OF THE CARNEGIE-MELLON UNIVERSITY
VERTICAL FLUTED-TUBE CONDENSER"
ARGONNE NATIONAL LABORATORY, OCEAN THERMAL ENERGY CONVERSION
PROGRAM, REPORT NO. ANL/OTEC-PS-4, MAY 1979
032262 1979 ANL EXTENDED SURF
IFORCECONV CONDENSATION
- LIN;J.-F. HSU;T.-C. PEI;J.-M.
"HEAT TRANSFER OF CONDENSATION ON A VERTICAL V-TYPE
CORRUGATED TUBE--A NEW PHYSICAL MODEL"
HEAT TRANSFER 1982, VOL.5, HEMISPHERE PUBLISHING COMPANY,
WASHINGTON, D.C., 1982, PP.119-124
035122 1982 VIIHTC EXTENDED SURF
CONDENSATION
- LLEWELLYN;G.H.
"DESIGN AND ANALYSIS OF A 5-MW VERTICAL-FLUTED-TUBE
CONDENSER FOR GEOTHERMAL APPLICATIONS"
OAK RIDGE NATIONAL LABORATORY, REPORT NO. ORNL/TM-8100,
MARCH 1982
035109 1982 ORNL EXTENDED SURF
CONDENSATION
- LOTZ;C.W.
"THIN FILM DISTILLATION FOR SEA WATER AND BRACKISH WATER"
ABSTRACT FROM THE AMERICAN CHEMICAL SOCIETY, 149TH MEETING,
VOL.5, NO.18, 1965, P.5U
035034 1965 ** EXTENDED SURF
CONDENSATION
- LUSTENADER;E.L. RICHTER;R. NEUGEDAUER;F.J.
"THE USE OF THIN FILMS FOR INCREASING EVAPORATION AND
CONDENSATION RATES IN PROCESS EQUIPMENT"
JOURNAL OF HEAT TRANSFER, VOL.81, 1959, PP.297-307
093008 1959 JHT MECHAD
POOLBOIL CONDENSATION TREATSURF EXTENDED SURF
- LUSTENADER;E.L. STAUB;F.W.
"DEVELOPMENT CONTRIBUTIONS TO COMPACT CONDENSER DESIGN"
INTERNATIONAL NICKEL COMPANY POWER CONFERENCE, SESSION 2,
MAY 1964
035020 1964 ** EXTENDED SURF
IFORCECONV CONDENSATION
- LUU;M. BERGLES;A.E.
"ENHANCEMENT OF HORIZONTAL IN-TUBE CONDENSATION OF R-113"
ASHRAE TRANSACTIONS, VOL.85, PART 2, 1979, PP.293-312
025031 1979 ASHRAE ROUGHSURF
CONDENSATION EXTENDED SURF SWIRLFLO
- LUU;M. BERGLES;A.E.
"AUGMENTATION OF IN-TUBE CONDENSATION OF R-113"
HEAT TRANSFER LABORATORY REPORT NO. HTL-23,
ISU-ERI-AMES-80175, IOWA STATE UNIVERSITY, 1980
025035 1979 ISU ROUGHSURF
EXTENDED SURF CONDENSATION SWIRLFLO
- MALENGA;N.B. WALKER;N.C.
"AN INVESTIGATION INTO SURFACE ENHANCEMENT FOR VERTICAL TUBE
CONDENSERS"
DEPARTMENT OF MECHANICAL ENGINEERING, UNIVERSITY OF BRISTOL,
UNITED KINGDOM, REPORT 81/A/P.2, 1981
035120 1981 ** EXTENDED SURF
CONDENSATION NHC
- MARKOWITZ;A. BERGLES;A.E.
"BOILING AND CONDENSATION IN LIQUID FILLED ENCLOSURE"
MASSACHUSETTS INSTITUTE OF TECHNOLOGY ENGINEERING PROJECTS
LABORATORY REPORT NO.29077-73, 1971
035007 1971 MIT EXTENDED SURF
CONDENSATION
- MARKOWITZ;A. MIKIC;B.B. BERGLES;A.E.
"CONDENSATION ON A DOWNWARD FACING, HORIZONTAL RIPPLED
SURFACE"
JOURNAL OF HEAT TRANSFER, VOL.94, 1972, PP.315-320
035008 1972 JHT EXTENDED SURF
CONDENSATION
- MARTIN;H. SCHLUENDER;E.U. VOGELPOHL;A.
"ENHANCED HEAT TRANSFER WITH FLUTED TUBES FOR CONDENSATION
AND EVAPORATION - AN EXPERIMENTAL STUDY;"
VON KARMAN INSTITUTE FOR FLUID DYNAMICS OF VKI LS-94,
JANUARY 1977
024026 1977 ** ROUGHSURF
FLOBOIL CONDENSATION EXTENDED SURF
- MARTO;P.J. REILLY;D.J. FENNER;J.H.
"AN EXPERIMENTAL COMPARISON OF ENHANCED HEAT TRANSFER
CONDENSER TUBING"
ADVANCES IN ENHANCED HEAT TRANSFER, AMERICAN SOCIETY OF
MECHANICAL ENGINEERS, NEW YORK, 1979, PP.1-9
035085 1979 ASME EXTENDED SURF
CONDENSATION
- MARTO;P.J. WAGENSEIL;L.L.
"AUGMENTING THE CONDENSER HEAT-TRANSFER PERFORMANCE OF
ROTATING HEAT PIPES"
AMERICAN INSTITUTE OF AERONAUTICS AND ASTRONAUTICS JOURNAL,
VOL.17, 1979, PP.647-652
095015 1979 AIAA MECHAD
CONDENSATION EXTENDED SURF
- MC GOWAN;J.G. HERONEMUS;W.E. PRAREN;R.
"DEVELOPMENT OF COMPACT HEAT EXCHANGERS FOR OCEAN THERMAL
ENERGY CONVERSION (OTEC) SYSTEMS"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.78-WA/HT-
34, 1978
034019 1978 ASME EXTENDED SURF
FLOBOIL CONDENSATION
- MEHTA;M.H. RAO;M.R.
"HEAT TRANSFER AND FRICTIONAL CHARACTERISTICS OF SPIRALLY
ENHANCED TUBES FOR HORIZONTAL CONDENSERS"
ADVANCES IN ENHANCED HEAT TRANSFER, AMERICAN SOCIETY OF
MECHANICAL ENGINEERS, NEW YORK, 1979, PP.11-21
035086 1979 ASME EXTENDED SURF
CONDENSATION
- MICHEL;J.W.
"ANALYTICAL AND EXPERIMENTAL STUDIES OF OTEC HEAT TRANSFER
PROBLEMS AT OAK RIDGE NATIONAL LABORATORY"
PROCEEDINGS FOURTH ANNUAL CONFERENCE ON OCEAN THERMAL ENERGY
CONVERSION, MARCH 1977, PP. VI-15 - VI-26
035098 1977 ** EXTENDED SURF
CONDENSATION
- MICHEL;J.W.
"ENHANCEMENT ON VERTICAL FLUTED SURFACES"
POWER CONDENSER HEAT TRANSFER TECHNOLOGY, HEMISPHERE
PUBLISHING CORPORATION, 1981, PP.325-344
035116 1981 ** EXTENDED SURF

CONDENSATION

- IKHAEVICH;A.A. PESLYAK;V.I.
CALCULATION OF FINNING EFFICIENCY UNDER COOLANT
CONDENSATION CONDITIONS OVER A SMALL-FINNED SURFACE"
OKL. AKAD. NAUK. BSSR, VOL.19, 1975, PP.420-423
35057 1975 ** EXTENDED SURF
CONDENSATION
- HILLS;A.F. HUBBARD;G.L. JAMES;R.K.
AN;C.
EXPERIMENTAL STUDY OF FILM CONDENSATION ON HORIZONTAL
ROOVED TUBES"
ESALINATION, VOL.16, 1975, PP.121-133
35130 1975 ** EXTENDED SURF
CONDENSATION
- PIROPOLSKI;Z.L. SHNEEROV;R.I. TREPUTNEV;V.V.
A STUDY OF THE HEAT TRANSFER FOR WATER CONDENSING IN
NNULAR CHANNELS WITH LONGITUDINAL AND HELICAL FINS"
ROMYSHLENNAYA TEPLOTEKHNIKA, VOL.2, NO.3, 1980, PP.42-45
35073 1980 ** EXTENDED SURF
CONDENSATION
- PIROPOLSKIY;Z.L. SHNEYEROVA;R.I. TREPUTNEV;V.V.
HEAT TRANSFER COEFFICIENTS AND PRESSURE DROP IN THE
CONDENSATION OF STEAM ALONG FINNED SURFACES"
HEAT TRANSFER - SOVIET RESEARCH, VOL.14, NO.3, 1982, PP.
2-17
35096 1982 HTSR EXTENDED SURF
CONDENSATION
- OLEM;D. SIDEMAN;S.
THEORETICAL ANALYSIS OF A HORIZONTAL CONDENSER-EVAPORATOR
ELLIPTICAL TUBE"
JOURNAL OF HEAT TRANSFER, VOL.19, 1976, PP.259-270
35039 1976 JHT EXTENDED SURF
CONDENSATION
- OGHIZUKI;S. YAGI;Y. ENOMOTO;T.
TRANSIENT RESPONSE OF AIR-COOLED PLATE-FIN CONDENSERS"
REFRIGERATION, VOL.54, NO.624, 1979, PP.835-843
35113 1979 ** EXTENDED SURF
CONDENSATION
- ORI;Y. HIJIKATA;K. HIRASAWA;S.
OPTIMIZED PERFORMANCE OF CONDENSERS WITH OUTSIDE CONDENSING
SURFACE"
JOURNAL OF HEAT TRANSFER, VOL. 103, NO. 1, 1981, PP. 96-102
35084 1981 JHT EXTENDED SURF
CONDENSATION
- ORI;Y. WFI;P. HIJIKATA;K.
NONCONDENSABLE GAS EFFECT ON HIGH PERFORMANCE VERTICAL
CONDENSING SURFACE WITH PARALLEL LOW FINS"
SME-JSME THERMAL ENGINEERING JOINT CONFERENCE
PROCEEDINGS, HONOLULU, HAWAII, MARCH 1983, VOL.3, PP.297-303
35135 1983 ** EXTENDED SURF
CONDENSATION
- URPHY;R.W. DOMINGO;N.
FIELD TESTS OF 2- AND 40-TUBE CONDENSERS AT THE EAST MESA
GEOTHERMAL TEST SITE"
YAK RIDGE NATIONAL LABORATORY, REPORT NO. ORNL-5852, MAY
1982
35110 1982 ORNL EXTENDED SURF
CONDENSATION
- URPHY;R.W.
FIELD TESTS OF A VERTICAL-FLUTED-TUBE CONDENSER IN THE
ROTOTYPE POWER PLANT AT THE RAFT RIVER GEOTHERMAL TEST
SITE"
YAK RIDGE NATIONAL LABORATORY, REPORT NO. ORNL-5940,
APRIL 1983
35127 1983 ORNL EXTENDED SURF
CONDENSATION
- ABAVIAN;K. BROMLEY;L.A.
CONDENSATION COEFFICIENT OF WATER"
CHEMICAL ENGINEERING SCIENCE, VOL.18, 1963, PP.651-660
35035 1963 CES EXTENDED SURF

CONDENSATION

- NADER;W.K.
"EXTENDED SURFACE HEAT TRANSFER WITH CONDENSATION. PART 1"
HEAT TRANSFER 1978, VOL.2, HEMISPHERE PUBLISHING COMPANY:
WASHINGTON, D.C., 1978, PP.407-412
035011 1978 VIIHTC EXTENDED SURF
CONDENSATION
- NARAYANAN;K.N. INAYATHULLAH;G.
"FREE CONVECTIVE HEAT TRANSFER FROM MESH-TYPE EXTENDED
SURFACES"
PROCEEDINGS FIFTH NATIONAL HEAT AND MASS TRANSFER
CONFERENCE, HYDERABAD, INDIA, FEBRUARY 1980
035104 1980 ** EXTENDED SURF
CONDENSATION
- NEWSON;I.H. HODGSON;T.D.
"THE DEVELOPMENT OF ENHANCED HEAT TRANSFER CONDENSER TUBING"
4TH INTERNATIONAL SYMPOSIUM ON FRESH WATER FROM THE SEA,
VOL.1, 1973, PP.69-94
035067 1973 AERE EXTENDED SURF
CONDENSATION
- NOSETAN;T. SATO;S.
"DETERMINATION OF OVERALL HEAT TRANSFER COEFFICIENT OF
FLUTED TUBES"
SUMITOMO LIGHT METAL TECHNICAL REPORTS, VOL.17, NO.1, NO.2,
1976, PP.54-60
035065 1976 ** EXTENDED SURF
CONDENSATION
- O'NEILL;P.S. MINTON;P.E. WEILER;D.W.
"FIELD TEST OF AN ENHANCED SURFACE CONDENSER IN ETHYLENE-
PROPYLENE SERVICE"
PAPER PRESENTED AT THE TWELFTH NATIONAL HEAT TRANSFER
CONFERENCE, TULSA 1971
035022 1971 ** EXTENDED SURF
CONDENSATION
- O'NEILL;P.S. GOTTMANN;C.F.
"IMPROVED AIR PLANT MAIN CONDENSER"
PROCEEDINGS OF THE CENTURY 2 EMERGING TECHNOLOGY
CONFERENCE, SESSION CPE-2, SAN FRANCISCO, AUGUST 1980
035128 1980 ** EXTENDED SURF
CONDENSATION
- OEZGEN;C. SOMER;G.
"THE STUDY OF THE HYDRODYNAMICS OF CONDENSATE FILMS FLOWING
DOWN THE OUTSIDE SURFACE OF FLUTED TUBES"
PROCEEDINGS OF THE 6TH INTERNATIONAL SYMPOSIUM ON FRESH
WATER FROM THE SEA, VOL.1, 1978, PP.193-202
035089 1978 ** EXTENDED SURF
CONDENSATION
- OSHIMA;T. IUCHI;S.
"CALCULATION METHOD FOR COOLER CONDENSERS WITH CONTINUOUS
PLATE FINNED TUBES"
HEAT TRANSFER - JAPANESE RESEARCH, VOL.3, NO.3, 1974, PP.1-5
035074 1974 HTJR EXTENDED SURF
CONDENSATION
- OZERS;A.P.
"CONDENSATION OF STEAM ON THE SURFACE OF HORIZONTAL SCREW-
PROFILED TUBES"
IZVESTIA AKADEMIA NAUK LATVIAN SSR, SER. FIZ. I TEKH. NAUK,
RIGA, NO.4, 1967, PP.71-74
035002 1967 ** EXTENDED SURF
CONDENSATION
- PALEN;J. CHAM;B. TABOREK;J.
"COMPARISON OF CONDENSATION OF STEAM ON PLAIN AND TURBOTEC
SPIRALLY GROOVED TUBES IN A BAFFLED SHELL-AND-TUBE
CONDENSER"
HEAT TRANSFER RESEARCH INC., REPORT 2439-300/6, 1971
035021 1971 HTRI EXTENDED SURF
CONDENSATION
- PANCHAL;C.B. BELL;K.J.
"ANALYSIS OF NUSSELT-TYPE CONDENSATION ON A VERTICAL FLUTED
SURFACE"
NUMERICAL HEAT TRANSFER, VOL.3, NO.3, 1980, PP.357-371

035075 1960 ** EXTENDED SURF
CONDENSATION

PANCHAL;C.B. HILLIS;D.L. LORENZ;J.J.
YUNG;D.T.
"OTEC PERFORMANCE TESTS OF THE TRANE PLATE-FIN HEAT EXCHANGER"
ARGONNE NATIONAL LABORATORY, REPORT NO. ANL/OTEC-PS-7, APRIL 1981
150053 1981 ANL PERFORMANCE
EXTENDED SURF POOLBOIL CONDENSATION

PANDOLFINI;P.P. KEIRSEY;J.L. FUNK;J.A.
CUSICK;R.T.
"TESTS OF THE APL/JH6 FOLDED-TUBE, OTEC HEAT EXCHANGER CORE UNIT"
HEAT TRANSFER IN OCEAN THERMAL ENERGY (OTEC) SYSTEMS, HTD-VOL. 12, ASME, NEW YORK 1980, PP. 9-15
034033 1980 ** EXTENDED SURF
FLOBOIL CONDENSATION

PATANKAR;S.V. SPARROW;E.W.
"CONDENSATION ON AN EXTENDED SURFACE"
JOURNAL OF HEAT TRANSFER, VOL.101, 1979, PP.434-440
035093 1979 JHT EXTENDED SURF
CONDENSATION

PEARSON;J.F. WITHERS;J.G.
"NEW FINNED TUBE CONFIGURATION IMPROVES REFRIGERANT CONDENSING"
ASHRAE JOURNAL, JUNE 1969, PP.77-82
035076 1969 ASHRAE EXTENDED SURF
CONDENSATION

PRINCE;W.J.
"ENHANCED TUBES FOR HORIZONTAL EVAPORATOR DESALINATION PROCESSES"
M.S. THESIS, UNIVERSITY OF CALIFORNIA AT LOS ANGELES, 1971
033016 1971 ** EXTENDED SURF
POOLBOIL CONDENSATION

REISBIC;R.L.
"CONDENSING HEAT TRANSFER AUGMENTATION INSIDE SPLINED TUBES"
ASME PAPER NO.74-HT-7 PRESENTED AT AIAA/ASME THERMOPHYSICS AND HEAT TRANSFER CONFERENCE, BOSTON, JULY 1974
035060 1974 ASME EXTENDED SURF
CONDENSATION

RIFERT;V.G. LEONTEV;G.G. BARABASH;P.A.
"EXPERIMENTAL INVESTIGATION OF HEAT TRANSFER WITH CONDENSATION OF STEAM ON A VERTICAL TUBE WITH LONGITUDINAL WIRE FINNING"
THERMAL ENGINEERING, VOL.21, NO.6, 1974, PP.47-50
035033 1974 TENG EXTENDED SURF
CONDENSATION

RIFERT;V.G. LEONT'YEV;G.G. CHAPLINSKIY;S.I.
YEFREMOV;A.A.
"AUGMENTATION OF HEAT TRANSFER FROM REFRIGERENTS CONDENSING ON VERTICAL TUBES"
HEAT TRANSFER - SOVIET RESEARCH, VOL.8, NO.6, 1976, PP.120-126
035078 1976 HTSR EXTENDED SURF
CONDENSATION

RIFERT;V.G. BARABASH;P.A. GOLUBEV;A.E.
LEONT'YEV;G.G. CHAPLINSKIY;S.I.
"INVESTIGATION OF FILM CONDENSATION ENHANCED BY SURFACE FORCES"
HEAT TRANSFER - SOVIET RESEARCH, VOL.9, NO.2, 1977, PP.23-27
035040 1977 HTSR EXTENDED SURF
CONDENSATION

RIFERT;V.G.
"A NEW METHOD FOR CALCULATING RATES OF CONDENSATION ON FINNED TUBES"
HEAT TRANSFER - SOVIET RESEARCH, VOL.12, NO.3, 1980, PP. 142-147
035118 1980 HTSR EXTENDED SURF
CONDENSATION

ROBERTSON;J.M.

"HEAT EXCHANGE EQUIPMENT FOR THE CRYOGENIC PROCESS INDUSTRY"
HEAT EXCHANGERS: THEORY AND PRACTICE HEMISPHERE PUBLISHING CORPORATION, WASHINGTON, AND MC GRAW-HILL BOOK COMPANY, NEW YORK, 1983, PP.469-494
033063 1983 ** EXTENDED SURF
POOLBOIL CONDENSATION

ROTHFUS;R.R. NEUMAN;C.P.
"THE OTEC PROGRAM AT CARNEGIE-MELLON UNIVERSITY HEAT TRANSFER RESEARCH AND POWER CYCLE TRANSIENT MODELING"
PROCEEDINGS OF THE FOURTH ANNUAL CONFERENCE ON OCEAN THERMAL ENERGY CONVERSION, NEW ORLEANS, LOUISIANA, MARCH 1977, PP.VI-55 - VI-70
033039 1977 ** EXTENDED SURF
CONDENSATION POOLBOIL

ROTHFUS;R.R. WESTBERG;A.W. YAO;S.
"CONCURRENT STUDIES OF ENHANCED HEAT TRANSFER AND MATERIALS FOR OCEAN THERMAL HEAT EXCHANGERS"
CARNEGIE-MELLON UNIVERSITY REPORT NO. CCO-2641-5, 1978
035094 1978 ** EXTENDED SURF
CONDENSATION POOLBOIL

ROYAL;J.H. BERGLES;A.E.
"PRESSURE DROP AND PERFORMANCE EVALUATION OF AUGMENTED IN-TUBE CONDENSATION"
HEAT TRANSFER 1978, VOL. 2, HEMISPHERE PUBLISHING CORPORATION, 1978, PP. 459-464
035064 1978 VIHTC EXTENDED SURF
CONDENSATION SWIRLFLO

ROYAL;J.H. BERGLES;A.E.
"AUGMENTATION OF HORIZONTAL IN-TUBE CONDENSATION OF STEAM"
HEAT TRANSFER LABORATORY REPORT HTL-9, ISU-ER-AMES-76167
IOWA STATE UNIVERSITY, SEPTEMBER 1975
035055 1975 ISU EXTENDED SURF
SWIRLFLO CONDENSATION

ROYAL;J.H. BERGLES;A.E.
"EXPERIMENTAL STUDY OF THE AUGMENTATION OF HORIZONTAL IN-TUBE CONDENSATION"
ASHRAE TRANSACTIONS, VOL.82, PART 1, 1976, PP.919-931
035056 1976 ASHRAE EXTENDED SURF
SWIRLFLO CONDENSATION

ROYAL;J.H. BERGLES;A.E.
"AUGMENTATION OF HORIZONTAL IN-TUBE CONDENSATION BY MEAN TWISTED-TAPE INSERTS AND INTERNALLY FINNED TUBES"
JOURNAL OF HEAT TRANSFER, VOL.100, 1978, PP.17-24
035007 1978 JHT SWIRLFLO
CONDENSATION EXTENDED SURF

RUDY;T.M. WEBB;R.L.
"CONDENSATE RETENTION OF HORIZONTAL INTEGRAL-FIN TUBING"
ADVANCES IN ENHANCED HEAT TRANSFER-1981, HTD VOL. 18, AMERICAN SOCIETY OF MECHANICAL ENGINEERS, NEW YORK, 1981
PP. 35-41
035097 1981 ASME EXTENDED SURF
CONDENSATION

RUDY;T.M. WEBB;R.L.
"AN ANALYTICAL MODEL TO PREDICT CONDENSATE RETENTION ON HORIZONTAL, INTEGRAL-FIN TUBES"
ASME-JSME THERMAL ENGINEERING JOINT CONFERENCE PROCEEDINGS HONOLULU, HAWAII, MARCH 1980, VOL.1, PP.373-378
035137 1983 ** EXTENDED SURF
CONDENSATION

RUDY;T.M. WEBB;R.L.
"THEORETICAL MODEL FOR CONDENSATION ON HORIZONTAL, INTEGRAL-FIN TUBES"
AMERICAN INSTITUTE OF CHEMICAL ENGINEERS SYMPOSIUM SERIES, NO.225, VOL.79, 1983, PP.11-18
035139 1983 AIChE EXTENDED SURF
CONDENSATION

SARTOR;W.E.
"EXTENDED AND ENHANCED TUBE SURFACES TO IMPROVE HEAT TRANSFER"
PROCEEDINGS OF THE SECOND SYMPOSIUM ON SHELL AND TUBE

HEAT EXCHANGERS, HOUSTON, TEXAS, SEPTEMBER 1981, PP.

411-418, 1982

025042 1982 ** ROUGHSURF
CONDENSATION EXTENDED SURF

SATO;S. NAGATA;K.
"EVALUATION OF VARIOUS HEAT EXCHANGER TUBES FOR MSF PLANTS"
SUMITOMO LIGHT METAL TECHNICAL REPORTS, VOL.18, NO.1-2, 1977
035079 1977 ** EXTENDED SURF
CONDENSATION FLOBOIL ROUGHSURF

SAUER, JR.;H.J. WILLIAMS;P.E.
"CONDENSATION OF REFRIGERANT-OIL MIXTURES ON LOW-PROFILE
FINNED TUBING"
HEAT TRANSFER 1982, VOL.5, HEMISPHERE PUBLISHING COMPANY,
WASHINGTON, D.C., 1982, PP.147-152
035121 1978 VIIHTC EXTENDED SURF
CONDENSATION

SCHAAL;M. ASCHNER;F.S. HASSON;D.
"LARGE LONG-TUBE VERTICAL EVAPORATORS FOR SEA WATER
DISTILLATION"
DESALINATION, VOL. 10, 1972, PP. 67-93
034031 1972 ** EXTENDED SURF
FLOBOIL CONDENSATION PERFORMANCE

SCHNABEL;G.
"ANALYSIS OF LOCAL AND OVERALL HEAT TRANSFER ENHANCEMENT
BY DOUBLE FLUTED CONDENSER/EVAPORATOR TUBES"
HEAT EXCHANGERS: THEORY AND PRACTICE, HEMISPHERE
PUBLISHING CORPORATION, WASHINGTON, AND MC GRAW-HILL
BOOK COMPANY, NEW YORK, 1983, PP.205-220
033062 1983 ** EXTENDED SURF
POOLBOIL CONDENSATION

SCHROEDER;J.J. FAST;P. SANDER-BEUERMANN;W.
"HYDRODYNAMICS AND HEAT TRANSFER ON VERTICALLY FINNED
SURFACES IN FALLING FILM EVAPORATORS"
DESALINATION, VOL.31, 1979, PP.19-34
033021 1979 ** EXTENDED SURF
POOLBOIL ROUGHSURF CONDENSATION

SEMIAT;R. SIDEMAN;S. MOALEM MARON;P.
"TURBULENT FILM EVAPORATION ON AND CONDENSATION IN
HORIZONTAL ELLIPTICAL CONDUITS"
HEAT TRANSFER 1978, VOL.4, HEMISPHERE PUBLISHING COMPANY:
WASHINGTON, D.C., 1978, PP.361-366
035082 1978 VIIHTC EXTENDED SURF
CONDENSATION

SENSHU;T. SEGA;H.
"HEAT TRANSFER COEFFICIENT FOR CONDENSATION OF R22 AND
PERFORMANCE OF CONDENSERS"
HEAT TRANSFER - JAPANESE RESEARCH, VOL.4, 1975, PP.50-60
035044 1975 HIJK EXTENDED SURF
CONDENSATION

SHKLCVER;G.G. MIL'MAN;O.O. BASKOV;V.S.
ANKUDINOV;G.A.
"HEAT TRANSFER IN CONDENSATION OF STEAM ON FINELY-FINNED
HORIZONTAL TUBES"
HEAT TRANSFER - SOVIET RESEARCH, VOL.13, NO.2, 1981, PP.
108-114
035106 1981 HTSR EXTENDED SURF
CONDENSATION

SIDEMAN;S. SEMIAT;R. MOALEM-MARON;D.
"ENHANCED TRANSFER IN HORIZONTAL EVAPORATOR-CONDENSER
CONDUITS WITH CIRCUMFERENTIAL GROOVES"
PROCEEDINGS OF THE 6TH INTERNATIONAL SYMPOSIUM ON FRESH
WATER FROM THE SEA, VOL.1, 1978, PP.183-192
025033 1978 ** ROUGHSURF
EXTENDED SURF CONDENSATION POOLBOIL

SIDEMAN;S. MOALEM-MARON;D.
"TRANSPORT CHARACTERISTICS OF THIN FILMS: EVAPORATION,
CONDENSATION AND MASS TRANSFER ON SMOOTH AND GROOVED
HORIZONTAL CONDUITS"
TWO-PHASE MOMENTUM, HEAT AND MASS TRANSFER IN CHEMICAL,
PROCESS, AND ENERGY ENGINEERING SYSTEMS, VOL. 2, HEMISPHERE
PUBLISHING CORPORATION, WASHINGTON, 1979, PP. 877-896
033041 1979 ** EXTENDED SURF

POOLBOIL CONDENSATION MASSTRAN

SIDEMAN;S.
"DEVELOPMENT OF HORIZONTAL EVAPORATOR-CONDENSER: FILM
EVAPORATION AND CONDENSATION IN DESALINATION"
CHEMICAL ENGINEERING RESEARCH CENTRE, REPORT NO. 71,
HAIFA, ISRAEL, MAY 1980
033042 1980 ** EXTENDED SURF
POOLBOIL CONDENSATION

SIDEMAN;S.
"DEVELOPMENT OF HORIZONTAL EVAPORATOR CONDENSER ENHANCED
HEAT TRANSFER IN HORIZONTAL EVAPORATOR-CONDENSER. PART I:
TRANSFER CHARACTERISTICS OF CONVEX AND CONCAVE RIVULET FLOWS
ON INCLINED SURFACES WITH STRAIGHT-EDGED GROOVES."
CHEMICAL ENGINEERING RESEARCH CENTRE, REPORT NO. 52,
HAIFA, ISRAEL, 1978
033043 1978 ** EXTENDED SURF
POOLBOIL CONDENSATION

SIDEMAN;S.
"DEVELOPMENT OF HORIZONTAL EVAPORATOR-CONDENSER. ENHANCED
HEAT TRANSFER IN HORIZONTAL EVAPORATOR CONDENSER. PART II:
FLOW REGIMES AND HEAT TRANSFER COEFFICIENTS FOR STRAIGHT-
EDGED GROOVES."
CHEMICAL ENGINEERING RESEARCH CENTRE, REPORT NO. 53,
HAIFA, ISRAEL, 1978
033044 1978 ** EXTENDED SURF
POOLBOIL CONDENSATION
NHC

SIDEMAN;S.
"FILM EVAPORATION AND CONDENSATION IN DESALINATION"
HEAT EXCHANGERS, THERMAL-HYDRAULIC FUNDAMENTALS AND
DESIGN, HEMISPHERE PUBLISHING CORPORATION, WASHINGTON,
AND MC GRAW-HILL BOOK COMPANY, NEW YORK, 1981, PP.357-376
032029 1981 ** ROUGHSURF
POOLBOIL EXTENDED SURF CONDENSATION

SMIRNOV;G.F. LUKANOV;I.I.
"STUDY OF HEAT TRANSFER FROM FREON-11 CONDENSING ON A BUNDLE
OF FINNED TUBES"
HEAT TRANSFER-SOVIET RESEARCH, VOL.4, NO.3, 1972, PP.51-56
035063 1972 HTSR EXTENDED SURF
CONDENSATION

SMIRNOV;G.F.
"HEAT TRANSFER IN CONDENSATION OF BINARY MIXTURES ON FINNED
SURFACES"
HEAT TRANSFER - SOVIET RESEARCH, VOL.8, NO.1, 1976,
PP.45-50
035081 1976 HTSR EXTENDED SURF
CONDENSATION

SOMER;T.G. OZGEN;C.
"EFFECT OF SURFACE CONFIGURATION ON HEAT TRANSFER BY THE
CONDENSATION OF STEAM OVER FLUTED SURFACES. PART II"
DESALINATION, VOL.34, NO.3, 1980, PP.249-265
035119 1980 ** EXTENDED SURF
CONDENSATION

STARNER;K.E.
"CONDENSATION ENHANCEMENT: APPLICATIONS TO REFRIGERANT
CONDENSERS"
POWER CONDENSER HEAT TRANSFER TECHNOLOGY, HEMISPHERE
PUBLISHING CORPORATION, 1981, PP.345-352
035117 1981 ** EXTENDED SURF
CONDENSATION

TAKAZAWA;H. NISHIYAMA;K. KAJIKAWA;T.
"CONDENSING HEAT TRANSFER ENHANCEMENT ON VERTICAL SPIRAL
DOUBLE FIN TUBES WITH DRAINAGE GUTTERS"
ASME-JSME THERMAL ENGINEERING JOINT CONFERENCE PROCEEDINGS,
HONOLULU, HAWAII, MARCH 1983, VOL.2, PP.269-275
035136 1983 ** EXTENDED SURF
CONDENSATION

THOMAS;A. HILLIS;D. PANCHAL;C.
LORENZ;J. YUNG;D. SATHER;N.
"EXPERIMENTAL TESTS OF 1 MWT OTEC HEAT EXCHANGERS AT ARGONNE
NATIONAL LABORATORY"
PROCEEDINGS OF THE SEVENTH OCEAN ENERGY CONFERENCE, CONF-

800633, VOL.2, 1980, PP.12.1-1 - 12.1-8

013112 1980 ** TREATSURF
POOLBOIL EXTENDED SURF CONDENSATION

THOMAS;D.G.

"ENHANCEMENT OF FILM CONDENSATION RATE ON VERTICAL TUBES BY LONGITUDINAL FINS"

AMERICAN INSTITUTE OF CHEMICAL ENGINEERS JOURNAL, VOL.14, 1968, PP.644-649

035003 1968 AIChEJ EXTENDED SURF
CONDENSATION

THOMAS;D.G.

HAYES;P.H.

"HIGH PERFORMANCE HEAT TRANSFER SURFACES"

INDUSTRIAL AND ENGINEERING CHEMISTRY, VOL.62, NO.2, 1970, PP.4-9

035017 1970 IEC EXTENDED SURF
SWIRLFLO ROUGH SURF CONDENSATION 1 FORCE CONV

THOMAS;D.G.

"ENHANCEMENT OF FILM CONDENSATION HEAT TRANSFER RATES ON VERTICAL TUBES BY VERTICAL WIRES"

INDUSTRIAL AND ENGINEERING CHEMISTRY, VOL.6, NO.1, 1967, PP.97-103

035028 1967 IEC EXTENDED SURF
CONDENSATION

THOMAS;D.G.

ALEXANDER;L.G.

"IMPROVED HIGH-PERFORMANCE FLUTED TUBE FOR THIN-FILM EVAPORATION AND CONDENSATION"

DESALINATION, VOL.6, 1970, PP.13-19

035042 1970 ** EXTENDED SURF
CONDENSATION

TÖNER;M.

KILIĆ;A.

ONAT;K.

"COMPARISON OF RECTANGULAR AND TRIANGULAR FINS WHEN CONDENSATION OCCURS"

WÄRME-UND STOFFÜBERTRAGUNG, VOL.17, 1983, PP.65-72

035131 1983 ** EXTENDED SURF
CONDENSATION

TOVAZHYANSKIY;L.L. KAPUSTENKO;P.A.

"HEAT TRANSFER FROM STEAM CONDENSING IN AN EXTENDED-SURFACE SLOT CHANNEL"

HEAT TRANSFER-SOVIET RESEARCH, VOL. 12, NO. 4, 1980, PP. 34-36

035099 1980 HTSR EXTENDED SURF
CONDENSATION

UEHARA;H.

KUSUDA;H.

MIYOSHI;M.

SUMITOMO;H.

"PLATE TYPE EVAPORATOR AND CONDENSER FOR OCEAN THERMAL ENERGY CONVERSION PLANT"

PROCEEDINGS OF THE FIFTH OCEAN THERMAL ENERGY CONVERSION CONFERENCE, MIAMI BEACH, FLORIDA, FEBRUARY, 1978, PP.VI/261-VI/287

033031 1978 OTEC EXTENDED SURF
POOLBOIL CONDENSATION

VRABLE;D.L.

YANG;W.J.

CLARK;A.

"CONDENSATION OF REFRIGERANT-12 INSIDE HORIZONTAL TUBES WITH INTERNAL AXIAL FINS"

HEAT TRANSFER 1974, VOL.III, 1974, THE JAPAN SOCIETY OF MECHANICAL ENGINEERS, TOKYO, PP.250-254

035013 1974 VIHTC EXTENDED SURF
CONDENSATION

VRABLE;D.L.

"CONDENSATION HEAT TRANSFER INSIDE HORIZONTAL TUBES WITH INTERNAL AXIAL FINS"

PH.D. DISSERTATION, UNIVERSITY OF MICHIGAN, 1974

035047 1974 ** EXTENDED SURF
CONDENSATION

WANG;S.P.

LIANG;S.C.

TAN;Y.K.

DENG;S.J.

"THE CONDENSATION HEAT TRANSFER EXPERIMENTS ON SAW-TEETH FIN TUBES AND RADIAL-FLUTED TUBES"

THIRD INTER UNIVERSITY ACADEMIC SYMPOSIUM OF CHEMICAL ENGINEERING, NATIONAL CHEMICAL ENGINEERING SYMPOSIUM, PAPER NO. C-2-3, CANTON, CANTON, MARCH 1981

035138 1981 ** EXTENDED SURF
CONDENSATION

CONDENSATION

WEBB;R.L.

GEE;D.L.

"ANALYTICAL PREDICTIONS FOR A NEW CONCEPT SPINE-FIN SURFACE GEOMETRIES"

ASHRAE TRANSACTIONS, VOL. 85, PART 2, 1979, PP. 274-283

035088 1979 ASHRAET EXTENDED SURF
CONDENSATION

WILSON;G.D.

ENGELBRECHT;A.D.

"MOISTURE CONDENSATION ON LOW-FINNED EXTENDED SURFACES IN GAS COOLERS"

NATIONAL MEETING OF THE SOUTH AFRICAN INSTITUTION OF CHEMICAL ENGINEERS, SECOND, JOHANNESBURG, SOUTH AFRICA, AUGUST 1976, SOUTH AFRICAN INSTITUTION OF CHEMICAL ENGINEERS JOHANNESBURG, 1976

035072 1976 ** EXTENDED SURF
CONDENSATION NHC

WITHERS;J.G.

YOUNG;E.H.

"INVESTIGATION OF STEAM CONDENSATION ON VERTICAL ROWS OF HORIZONTAL CORRUGATED AND PLAIN TUBES"

PRESENTED AT OFFICE OF SALINE WATER SYMPOSIUM ON ENHANCED TUBES FOR DESALINATION PLANTS, MARCH 1969, PP.119-151

035004 1969 OSW EXTENDED SURF
CONDENSATION ROUGH SURF EXTENDED SURF

WITHERS;J.G.

YOUNG;E.H.

"NEW WRINKLE IN CONDENSER TUBING"

POWER ENGINEERING, JUNE 1971, PP.44-45

035031 1971 ** EXTENDED SURF
CONDENSATION

WITHERS;J.G.

YOUNG;E.H.

"STEAM CONDENSING ON VERTICAL ROWS OF HORIZONTAL CORRUGATED AND PLAIN TUBES"

INDUSTRIAL AND ENGINEERING CHEMISTRY, PROCESS DESIGN AND DEVELOPMENT, VOL.10, 1971, PP.19-30.

035038 1971 ** EXTENDED SURF
CONDENSATION

YAMAMOTO;H.

ISHIBACHI;T.

"CALCULATION OF CONDENSATION HEAT TRANSFER COEFFICIENTS OF FLUTED TUBES"

PROCEEDINGS OF THE 6TH INTERNATIONAL SYMPOSIUM ON FRESH WATER FROM THE SEA, VOL.1, 1978, PP.203-214

025034 1978 ** ROUGH SURF
EXTENDED SURF CONDENSATION

YANG;W.-J.

"EQUIVALENT F AND J FACTORS FOR CONDENSATION INSIDE HORIZONTAL SMOOTH AND FINNED TUBES"

LETTERS IN HEAT AND MASS TRANSFER, VOL.1, 1974, PP.127-130

035048 1974 LHMT EXTENDED SURF
CONDENSATION

YOUNG;E.H.

"PROGRESS REPORT ON THE STEAM CONDENSING PERFORMANCE OF CORRUGATED TUBES"

UNIVERSITY OF MICHIGAN, REPORT NO.47, JULY 1957

035001 1957 ** EXTENDED SURF
CONDENSATION

YOUNG;E.H.

WARD;D.J.

"HOW TO DESIGN FINNED TUBE SHELL AND TUBE HEAT EXCHANGERS. PART 2. DESIGN OF FINNED TUBE CONDENSERS"

THE REFINING ENGINEER, VOL.29, NOVEMBER 1957, PP.C-32 - C-36

035059 1957 ** EXTENDED SURF
CONDENSATION

YOUNG;E.H.

WARD;D.J.

"HOW TO DESIGN FINNED TUBE SHELL AND TUBE HEAT EXCHANGERS. PART 4. DESIGN OF FINNED TUBE PARTIAL CONDENSERS"

THE REFINING ENGINEER, VOL.30, NO.2, 1958, PP.C-37-C-45

035133 1958 ** EXTENDED SURF
CONDENSATION

YUNG;D.

LCRENZ;J.J.

PANCHAL;C.

"CONVECTIVE VAPORIZATION AND CONDENSATION IN SERRATED-FIN CHANNELS"

HEAT TRANSFER IN OCEAN THERMAL ENERGY (OTEC) SYSTEMS,
 HTD-VOL. 12, ASME, NEW YORK, 1980, PP. 29-37
 034034 1980 ** EXTENDED SURF
 FLOBOIL CONDENSATION

YUNG;D.T. HILLIS;D.L. LORENZ;J.L.
 SATHER;N.F.
 "OTEC PERFORMANCE TESTS OF THE UNION CARBIDE ENHANCED-TUBE
 CONDENSER"
 ARGONNE NATIONAL LABORATORY, OCEAN THERMAL ENERGY CONVERSION
 PROGRAM, REPORT NO. ANL/OTEC-PS-2, MAY 1979
 035095 1979 ANL EXTENDED SURF
 CONDENSATION IFORCECONV

ZAKIROV;S.G. AGZAMOV;S.K.
 "EXPERIMENTAL STUDY OF INTENSIFICATION OF HEAT EXCHANGE
 DURING VAPOR CONDENSATION ON VERTICAL TUBES"
 CHEMICAL AND PETROLEUM ENGINEERING, VOL.16, 1980, PP.
 601-603
 035129 1980 CPE EXTENDED SURF
 CONDENSATION

ZENER;C. LAVI;A.
 "DRAINAGE SYSTEMS FOR CONDENSATION"
 JOURNAL OF ENGINEERING FOR POWER, VOL. 96, 1974, PP.209-215
 035023 1974 ** EXTENDED SURF
 CONDENSATION

ZENER;C.
 "THE POSITIVE SIDE OF USING AMMONIA FOR A SEA THERMAL POWER
 PLANT"
 COMBUSTION, JANUARY 1977, PP.41-42
 035066 1977 COMB EXTENDED SURF
 CONDENSATION

ZOZULYA;N.V. KARKHU;V.A. BORCVKOV;V.P.
 "AN ANALYTIC AND EXPERIMENTAL STUDY OF HEAT TRANSFER
 CONDENSATION OF VAPOR ON FINNED SURFACES"
 HEAT TRANSFER - SOVIET RESEARCH, VOL.9, NO.2, 1977, PP.18-22
 035026 1977 HTSR EXTENDED SURF
 CONDENSATION

EXTENDED SURFACES — MASS TRANSFER

- BATHELT;A.G. VISKANTA;R.
"HEAT TRANSFER AND INTERFACE MOTION DURING MELTING AND SOLIDIFICATION AROUND A FINNED HEAT SOURCE/SINK"
JOURNAL OF HEAT TRANSFER, VOL. 103, 1981, PP. 720-726
036008 1981 JHT EXTENDED SURF
MASSTRAN
- BEMROSE;C.R. BOTT;T.R.
"STUDIES OF GAS-SIDE FOULING IN HEAT EXCHANGERS"
HTFS RESEARCH SYMPOSIUM, CHRIST CHURCH COLLEGE, OXFORD,
UNITED KINGDOM, SEPTEMBER 14-15, 1981, PAPER RS362, 1981
036011 1981 ** EXTENDED SURF
MASSTRAN
NHC
- BERGLES;A.E.
"HEAT TRANSFER CHARACTERISTICS OF TURBOTEC TUBING"
HEAT TRANSFER LABORATORY REPORT NO. HTL-24,
ISU-ERI-AMES-81018, IOWA STATE UNIVERSITY, 1980
000085 1980 ISU LITSURVEY
ROUGH SURF EXTENDED SURF 1 NAT CONV 1 FORCE CONV
CONDENSATION MASSTRAN
- EOTT;T.R. BEMROSE;C.R.
"PARTICULATE FOULING ON THE GAS-SIDE OF FINNED TUBE EXCHANGERS"
FOULING IN HEAT EXCHANGE EQUIPMENT, HTD-VOL. 17, ASME,
NEW YORK, 1981, PP. 83-88.
032279 1981 ** EXTENDED SURF
1 FORCE CONV MASSTRAN
- CHEN;G.K. KITTEMAN;L. SHIEH;J.
"HIGH-EFFICIENCY PACKING FOR PRODUCT SEPARATION"
CHEMICAL ENGINEERING PROGRESS, SEPTEMBER 1983, PP. 46-49
036015 1983 CEP EXTENDED SURF
MASSTRAN
- COOPER;A. SUITOR;J.W. USHER;J.D.
"COOLING WATER FOULING IN PLATE HEAT EXCHANGERS"
HEAT TRANSFER 1978, VOL. 4, HEMISPHERE PUBLISHING COMPANY,
WASHINGTON, D.C., 1978, PP. 403-406
032220 1978 VIIHTC EXTENDED SURF
1 FORCE CONV MASSTRAN
- DUNKLE;R.V. BANKS;P.J. MACLAINE-CROSS;I.L.
"ROUND PARALLEL PLATE EXCHANGERS FOR AIR-CONDITIONING APPLICATIONS"
COMPACT HEAT EXCHANGERS - HISTORY, TECHNOLOGICAL ADVANCEMENT
AND MECHANICAL DESIGN PROBLEMS, HTD-VOL. 10, ASME,
NEW YORK, 1980, PP. 65-71
032286 1980 ** EXTENDED SURF
1 FORCE CONV MASSTRAN
- EL-SHOBOKSHY;M.S. EL-ZAYAT;R.E.
"DEPOSITION OF AIRBORNE PARTICLES ONTO THE SURFACES OF AIR-COOLED FINNED TUBE"
HEAT TRANSFER 1982, VOL. 6, HEMISPHERE PUBLISHING COMPANY,
WASHINGTON, D.C., 1982, PP. 397-401
036014 1982 VIIHTC EXTENDED SURF
MASSTRAN
- ELMAHDY;A.H. BIGGS;R.C.
"EFFICIENCY OF EXTENDED SURFACES WITH SIMULTANEOUS HEAT AND MASS TRANSFER"
ASHRAE TRANSACTIONS, VOL. 89, PT. 1A, 1983, PP. 135-143
032330 1983 ASHRAET EXTENDED SURF
1 FORCE CONV 1 NAT CONV MASSTRAN
- EPSTEIN;N. SANDHU;K.
"EFFECT OF UNIFORM FOULING DEPOSIT ON TOTAL EFFICIENCY OF EXTENDED HEAT TRANSFER SURFACES"
HEAT TRANSFER 1978, VOL. 4, HEMISPHERE PUBLISHING COMPANY,
WASHINGTON, D.C., 1978, PP. 397-402
032221 1978 VIIHTC EXTENDED SURF
1 FORCE CONV MASSTRAN
- GOLDSTEIN JR.;L. SPARROW;E.M.
"MASS TRANSFER EXPERIMENTS ON SECONDARY-FLOW VORTICES IN A CORRUGATED WALL CHANNEL"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL. 19,
1976, PP. 1337-1339
036002 1976 IJHMT EXTENDED SURF
- MASSTRAN
- HAUSER;S.G. KREID;D.K. JOHNSON;D.M.
"INVESTIGATION OF COMBINED HEAT AND MASS TRANSFER FROM A WET HEAT EXCHANGER. PART 2 - EXPERIMENTAL RESULTS"
ASME-JSME THERMAL ENGINEERING JOINT CONFERENCE PROCEEDINGS,
HONOLULU, HAWAII, MARCH 1983, VOL. 1, PP. 525-535
032336 1983 ** EXTENDED SURF
1 FORCE CONV ROUGH SURF MASSTRAN
- HENZE;R.H. HUMPHREY;J.A.C.
"ENHANCED HEAT CONDUCTION IN PHASE-CHANGE THERMAL ENERGY STORAGE DEVICES"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL. 24,
1981, PP. 459-474
036009 1981 IJHMT EXTENDED SURF
MASSTRAN
- LOKSHIN;V.A. FOMINA;V.N. PAVLOV;N.V.
PORTYANKO;A.A. SKORNYAKOVA;L.G.
"EXPERIMENTAL INVESTIGATION OF THE FOULING OF TRANSVERSELY FINNED BUNDLES OF TUBES IN A DUST-LADEN AIR FLOW"
THERMAL ENGINEERING, VOL. 27, NO. 6, 1980, PP. 327-330
032300 1980 TENG EXTENDED SURF
1 FORCE CONV MASSTRAN
- MC QUISTON;F.C.
"CORRELATION OF HEAT, MASS, AND MOMENTUM TRANSPORT COEFFICIENTS FOR PLATE-FIN-TUBE HEAT TRANSFER FOR SURFACES WITH STAGGERED TUBE"
ASHRAE TRANSACTIONS, VOL. 84, PART 1, 1978, PP. 294-309
032240 1978 ASHRAE EXTENDED SURF
1 FORCE CONV MASSTRAN
- MC QUISTON;F.C.
"HEAT, MASS, AND MOMENTUM TRANSFER DATA FOR FIVE PLATE-FIN-TUBE HEAT TRANSFER SURFACES"
ASHRAE TRANSACTIONS, VOL. 84, PART 1, 1978, PP. 266-293
032201 1978 ASHRAE EXTENDED SURF
1 FORCE CONV MASSTRAN
- MERRY;H.
"SITE MONITORING TESTS TO OBTAIN INDUSTRIAL DATA ON GAS-SIDE FOULING OF EXTENDED HEAT-TRANSFER SURFACES"
HTFS RESEARCH SYMPOSIUM, CHRIST CHURCH COLLEGE, OXFORD,
UNITED KINGDOM, SEPTEMBER 14-15, 1981, PAPER RS363, 1981
036012 1981 ** EXTENDED SURF
MASSTRAN
NHC
- MOSCICKA;I. BADOWSKA;I. MORAWSKA;E.
"EFFECT OF TURBULENCE PRODUCED BY A PERFORATED PLATE ON THE RATE OF MASS TRANSFER, PART III"
INTERNATIONAL CHEMICAL ENGINEERING, VOL. 17, NO. 4, 1977
PP. 682-690
036003 1977 ICE EXTENDED SURF
MASSTRAN
- MOSCICKA;I. BADOWSKA;I. MORAWSKA;E.
"EFFECT OF THE GEOMETRY OF A PERFORATED PLATE ON THE RATE OF MASS TRANSFER, PART II"
INTERNATIONAL CHEMICAL ENGINEERING, VOL. 17, NO. 4, 1977
PP. 677-681
036004 1977 ICE EXTENDED SURF
MASSTRAN
- PORTYANKO;A.A. LOKSHIN;V.A. FOMINA;V.N.
"THE FOULING OF TRANSVERSELY SWEEPED BUNDLES OF TUBES WITH WELDED SPIRAL FINNING"
THERMAL ENGINEERING, VOL. 27, NO. 12, 1980, PP. 711-713
036013 1981 TENG EXTENDED SURF
MASSTRAN
- PRESSER;K.H.
"EXPERIMENTELLE PRUEFUNG DER ANALOGIE ZWISCHEN KONVEKTIVER WÄRME- UND STOFFÜBERTRAGUNG AN EINEM PFEILRIPPENROHR"
CHEMIE - INGENIEUR - TECHNIK, VOL. 41, 1969, PP. 1176-1181
032073 1969 ** EXTENDED SURF
1 FORCE CONV MASSTRAN
- RICHARDSON;P.D. TANISHITA;K. GALLETTI;P.M.
"MASS TRANSFER IN ANNULI OF GROOVED OR SPLINED MICROPOROUS

TUBING TWISTED TO GENERATE SWIRL"

LETTERS IN HEAT AND MASS TRANSFER, VOL.2, NO.6, 1975,
PP.445-449

036001 1975 LHMT EXTENDED SURF
MASSTRAN

RICHARDSON;P.D. TANISHITA;K. GALLETTI;P.M.
"MASS TRANSFER THROUGH TUBES WOUND IN SERPENTINE SHAPES"
LETTERS IN HEAT AND MASS TRANSFER, VOL.2,1975,PP.481-486
036006 1975 LHMT EXTENDED SURF
MASSTRAN

ROSENBLAD;G. KULLENDORF;A.
"ESTIMATING HEAT TRANSFER RATES FROM MASS TRANSFER STUDIES
ON PLATE HEAT EXCHANGER SURFACES"
WAERME- UND STOFFUEBERTRAGUNG, VOL.8, 1975, PP.187-191
032149 1975 ** EXTENDED SURF
1FORCECONV ROUGH SURF MASSTRAN

SABOYA;F.E.M. SPARROW;E.M.
"TRANSFER CHARACTERISTICS OF TWO-ROW PLATE FIN AND TUBE HEAT
EXCHANGER CONFIGURATIONS"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.19,
1976, PP.41-49
032099 1976 IJHMT EXTENDED SURF
1FORCECONV MASSTRAN

SABOYA;F.E.M. SPARROW;E.M.
"EXPERIMENTS ON A THREE-ROW FIN AND TUBE HEAT EXCHANGER"
JOURNAL OF HEAT TRANSFER, VOL.98,1976,PP.520-522
032100 1976 JHT EXTENDED SURF
1FORCECONV MASSTRAN

SIDEMAN;S. MOALEM-MARON;D.
"TRANSPORT CHARACTERISTICS OF THIN FILMS: EVAPORATION,
CONDENSATION AND MASS TRANSFER ON SMOOTH AND GROOVED
HORIZONTAL CONDUITS"
TWO-PHASE MOMENTUM, HEAT AND MASS TRANSFER IN CHEMICAL,
PROCESS, AND ENERGY ENGINEERING SYSTEMS, VOL. 2, HEMISPHERE
PUBLISHING CORPORATION, WASHINGTON, 1979, PP. 877-896
033041 1979 ** EXTENDED SURF

POOLBOIL CONDENSATION MASSTRAN

SILVESTRINI;R.
"WASTE HEAT RECOVERY: HEAT EXCHANGER FOULING AND CORROSION"
CHEMICAL ENGINEERING PROGRESS, DECEMBER 1979, PP. 29-35
036007 1979 CEP EXTENDED SURF
MASSTRAN

SPARROW;E.M. RAMSAY;J.W. ALTEMANI;C.A.C.
"EXPERIMENTS ON IN-LINE PIN FIN ARRAYS AND PERFORMANCE
COMPARISONS WITH STAGGERED ARRAYS"
JOURNAL OF HEAT TRANSFER, VOL.102, 1980, PP.41-50
036005 1980 JHT EXTENDED SURF
MASSTRAN

STYNES;S.K. MYERS;J.E.
"TRANSPORT FROM EXTENDED SURFACES"
AMERICAN INSTITUTE OF CHEMICAL ENGINEERS JOURNAL, VOL.10,
1964, PP.437-444
036016 1964 AIChEJ EXTENDED SURF
MASSTRAN

WATKINSON;A.P. LOUIS;L. BRENT;R.
"SCALING OF ENHANCED HEAT EXCHANGER TUBES"
CANADIAN JOURNAL OF CHEMICAL ENGINEERING, VOL.52, 1974,
PP.558-562
032061 1974 ** EXTENDED SURF
1FORCECONV MASSTRAN

WATKINSON;A.P. MARTINEZ;O.
"SCALING OF HEAT EXCHANGER TUBES BY CALCIUM CARBONATE"
79TH NATIONAL AIChE MEETING, HOUSTON, TEXAS, PAPER NO.50A,
MARCH 1975
032066 1975 AIChE EXTENDED SURF
1FORCECONV MASSTRAN

WATKINSON;A.P. MARTINEZ;O.
"SCALING OF SPIRALLY INDENTED HEAT EXCHANGER TUBES"
JOURNAL OF HEAT TRANSFER, VOL.97,1975,PP.490-492
032093 1975 JHT EXTENDED SURF
1FORCECONV MASSTRAN

DISPLACED ENHANCEMENT DEVICES — FORCED CONVECTION

ANDEEN;B.R. GLICKSMAN;L.R. ROHSENOW;W.M.
 "IMPROVEMENT OF THE ENVIRONMENTAL AND ECONOMIC
 CHARACTERISTICS OF COOLING TOWERS PART I: OPTIMIZED DESIGN
 PROGRAM, FLUIDIZED BEDS, AND NON-METALLIC HEAT EXCHANGERS"
 MASSACHUSETTS INSTITUTE OF TECHNOLOGY ENGINEERING PROJECTS
 LABORATORY REPORT NO. DSR 80047-82, JUNE 1973
 042008 1972 MIT DISPENHDEVICE
 ADDFORGASES 1FORCECONV

ANDEEN;B.R. GLICKSMAN;L.R.
 "DRY COOLING TOWERS FOR COOLING PLANTS"
 MASSACHUSETTS INSTITUTE OF TECHNOLOGY ENGINEERING PROJECTS
 LABORATORY REPORT NO. DSR 73047-1, FEBRUARY 1972
 042009 1972 MIT DISPENHDEVICE
 1FORCECONV

AZER;N.Z. LIN;S.T. FAN;L.T.
 "AUGMENTATION OF FORCED FLOW BOILING HEAT TRANSFER WITH
 KENICS MOTIONLESS MIXERS"
 INDUSTRIAL AND ENGINEERING CHEMISTRY PROCESS DESIGN
 AND DEVELOPMENT, Vol.19, NO.2, 1980, pp.246-250
 042026 1980 ** DISPENHDEVICE
 1FORCECONV FLOBOIL

BALAKRISHNAN;A.R. PEI;D.C.T.
 "CONVECTIVE HEAT TRANSFER IN GAS-SOLID SUSPENSION FLOW
 THROUGH PACKED BEDS"
 AMERICAN INSTITUTE OF CHEMICAL ENGINEERS JOURNAL, VOL.24,
 1978, PP.613-619
 042032 1978 AICHE DISPENHDEVICE
 1FORCECONV

BARYSHEV;E.G. RATNIKOV;E.F. NOSOV;V.S.
 "AN INVESTIGATION OF HYDRODYNAMICS AND HEAT TRANSFER IN
 BALL-PACKED CHANNELS"
 THERMAL ENGINEERING, VOL.21, NO.8, 1974, PP.126-128
 042018 1974 ** DISPENHDEVICE
 1FORCECONV

BARYSHEV;E.G. RATNIKOV;E.F. PUDOVKIN;A.Y.
 "HEAT TRANSFER INTENSIFICATION IN A CHANNEL USING SPHERES"
 IZVESTIYA V.U.Z., ENERGETIKA, NO.1, 1977, PP.132-135
 042021 1977 ** DISPENHDEVICE
 1FORCECONV

BERGLES;A.E.
 "LAMINAR FLOW HEAT TRANSFER IN HORIZONTAL TUBES UNDER NORMAL
 AND AUGMENTED CONDITIONS"
 HEAT TRANSFER LABORATORY REPORT HTL-11, ISU-ERI-AMES-77179,
 IOWA STATE UNIVERSITY, DECEMBER, 1975
 032083 1975 ISU EXTENDED SURF
 DISPENHDEVICE 1FORCECONV

BOSS;J. CZASTKIEWICZ;W.
 "HYDRAULIC RESISTANCE AND MASS TRANSFER IN A LIQUID-LIQUID
 SYSTEM DURING FLOW THROUGH STATIC MIXERS"
 INZ. CHEM., VOL.9, NO.1, 1979, PP.29-
 042037 1979 ** DISPENHDEVICE
 1FORCECONV

BUDOV;V.M. ZAMYATIN;S.A. KHRYAPCHENKOV;A.S.
 "EXPERIMENTAL STUDY OF SHORT STATIC MIXERS USED TO INCREASE
 HEAT TRANSFER"
 IZVESTIYA VYSSHIKH UCHEBNIKH ZAVEDENII ENERGETIKA, VOL.1,
 NO.1, 1961, PP.120-122
 042040 1981 ** DISPENHDEVICE
 1FORCECONV

CHISHOLM;J.
 "HEAT TRANSFER BY POROUS METAL TRANSPIRATION PANELS"
 HEATING, PIPING, AND AIR CONDITIONING, VOL.49, NO.9, 1977,
 PP.85-87
 042030 1977 ** DISPENHDEVICE
 1FORCECONV

COLBURN;A.P. KING;W.J.
 "HEAT TRANSFER AND PRESSURE DROP IN EMPTY, BAFFLED, AND
 PACKED TUBES. III. RELATIONSHIP BETWEEN HEAT TRANSFER AND
 PRESSURE DROP"
 INDUSTRIAL AND ENGINEERING CHEMISTRY, VOL.23, 1931, PP.919-
 923
 052036 1931 IEC SWIRLFLO

DISPENHDEVICE 1FORCECONV

COMINGS;E.W. CLAPP;J.T. TAYLOR;J.F.
 "AIR TURBULENCE AND TRANSFER PROCESSES - FLOW NORMAL TO
 CYLINDERS"
 INDUSTRIAL AND ENGINEERING CHEMISTRY, VOL.40, 1948, PP.1076-
 1082
 042017 1948 IEC DISPENHDEVICE
 1FORCECONV

COPPAGE;J.E. LONDON;A.L.
 "HEAT TRANSFER AND FLOW FRICTION CHARACTERISTICS OF POROUS
 MEDIA"
 CHEMICAL ENGINEERING PROGRESS, VOL.52, NO.2, 1956,
 PP.57F-63F
 042012 1956 CEP DISPENHDEVICE
 1FORCECONV

EDWARDS;M.F.
 "HEAT TRANSFER IN IN-LINE STATIC MIXERS"
 LOW REYNOLDS NUMBER FLOW HEAT EXCHANGERS, HEMISPHERE
 PUBLISHING CORPORATION, WASHINGTON, 1983, PP.783-793
 042041 1983 ** DISPENHDEVICE
 1FORCECONV

EPIK;E.Y. GOLOVANOV;V.P. NOVITSKY;A.Y.
 FREIDIN;I.A.
 "LOCAL HEAT TRANSFER MEASUREMENTS IN FLAT CHANNELS WITH
 INSERTS"
 TEPLOFIZIKA AND TEPLOTEKHNIKA, VOL.32, 1977, PP.82-85
 042029 1977 ** DISPENHDEVICE
 1FORCECONV

EVANS;L.B.
 "THE EFFECTS OF AXIAL TURBULENCE PROMOTERS ON HEAT TRANSFER
 AND PRESSURE DROP INSIDE A TUBE"
 PH.D. THESIS IN CHEMICAL ENGINEERING, UNIVERSITY OF
 MICHIGAN, 1962
 042001 1962 ** DISPENHDEVICE
 1FORCECONV

EVANS;L.B. CHURCHILL;S.W.
 "THE EFFECT OF AXIAL PROMOTERS ON HEAT TRANSFER AND PRESSURE
 DROP INSIDE A TUBE"
 CHEMICAL ENGINEERING PROGRESS SYMPOSIUM SERIES, VOL.59,
 NO.41, 1963, 1963, PP.36-46
 042002 1963 CEPSS DISPENHDEVICE
 1FORCECONV

EVANS;S.I. SARJANT;R.J.
 "HEAT TRANSFER AND TURBULENCE IN GASES FLOWING INSIDE TUBES"
 JOURNAL OF THE INSTITUTE OF FUEL, VOL.24, 1951, PP.216-227
 052004 1951 ** SWIRLFLO
 DISPENHDEVICE 1FORCECONV

FUJITA;H. TAKAHAMA;H. YAMASHITA;R.
 "FORCED CONVECTION HEAT TRANSFER ON A PLATE WITH A CYLINDER
 INSERTED IN THE BOUNDARY LAYER"
 HEAT TRANSFER - JAPANESE RESEARCH, VOL.7, NO.4, 1978, PP.
 69-78
 042035 1978 HTJR DISPENHDEVICE
 1FORCECONV

GENETTI;W.E. PRIEBE;S.J.
 "HEAT TRANSFER WITH A STATIC MIXER"
 AMERICAN SOCIETY OF CHEMICAL ENGINEERS PAPER PRESENTED
 AT THE FOURTH JOINT CHEMICAL ENGINEERING CONFERENCE,
 VANCOUVER, 1973
 042010 1973 AICHE DISPENHDEVICE
 1FORCECONV

GENETTI;W.E.
 "LAMINAR FLOW HEAT TRANSFER WITH INLINE MIXERS INSERTS"
 CHEMICAL ENGINEERING COMMUNICATIONS, VOL.14, 1982,
 PP.47-57
 042046 1982 ** DISPENHDEVICE
 1FORCECONV

GOUGH;M.J. ROGERS;J.V. RUSSELL;C.M.B.
 "THE DEVELOPMENT OF A PRACTICAL ANSWER TO THE IMPROVEMENT OF
 TUBE-SIDE HEAT TRANSFER"
 12TH HTFS RESEARCH SYMPOSIUM, UNIV. WARWICK, UNITED KINGDOM,

- PAPER RS417, SEPTEMBER 1982, PP.123-134
042042 1982 ** DISPENHDEVICE
1FORCECONV
- JOHNSON;T.R. JOUBERT;P.N.
"THE INFLUENCE OF VORTEX GENERATORS ON THE DRAG AND HEAT
TRANSFER FROM A CIRCULAR CYLINDER NORMAL TO AN AIRSTREAM"
JOURNAL OF HEAT TRANSFER, VOL.91,1969,PP.91-99
042004 1969 JHT DISPENHDEVICE
1FORCECONV
- JOSHI;S.D. BERGLES;A.E.
"SURVEY AND EVALUATION OF PASSIVE HEAT TRANSFER AUGMENTATION
TECHNIQUES FOR LAMINAR FLOW"
JOURNAL OF THERMAL ENGINEERING, VOL.1, NO.3, 1980, PP.
105-124
000107 1980 ** LITSURVEY
1FORCECONV ROUGHSURF EXTENDED SURF DISPENHDEVICE
SWIRLFLO
- KAYS;W.M. LONDON;A.L.
"COMPACT HEAT EXCHANGERS", SECOND EDITION
MC GRAW HILL BOOK COMPANY, NEW YORK, 1964
000022 1964 ** LITSURVEY
ROUGHSURF EXTENDED SURF DISPENHDEVICE 1FORCECONV
- KERN;D.Q.
"STREAMLINE FLOW AND FREE CONVECTION"
PROCESS HEAT TRANSFER, MC GRAW-HILL BOOK COMPANY, NEW YORK,
1950, PP.209-213
042028 1950 ** DISPENHDEVICE
1FORCECONV
- KOCH;R.
"DRUCKVERLUST UND WAERMEUEBERGANG BEI VERWIRBELTER
STROMUNG"
VEREIN DEUTSCHER INGENIEURE FORSHUNGSHEFT 469, SERIES B,
VOL.24, 1958, PP.1-44
042007 1958 ** DISPENHDEVICE
ROUGHSURF 1FORCECONV SWIRLFLO
- KOH;J.C.Y. STEVENS;R.L.
"ENHANCEMENT OF COOLING EFFECTIVENESS BY POROUS MATERIALS IN
COOLANT PASSAGE"
JOURNAL OF HEAT TRANSFER, VOL.97,1975,PP.309-311
042016 1975 JHT DISPENHDEVICE
1FORCECONV
- KHUSHATIN;A.V. REUSOV;A.V. SHTYKH;V.S.
"HYDRAULIC RESISTANCE AND HEAT TRANSFER IN TUBULAR
APPARATUS HAVING STATIC MIXING ELEMENTS"
CHEMICAL AND PETROLEUM ENGINEERING, VOL.16, 1980, PP.
567-569
042047 1980 CPE DISPENHDEVICE
1FORCECONV
- LIN;S.
"AUGMENTATION OF TWO PHASE HEAT TRANSFER WITH IN-LINE STATIC
MIXERS"
PH.D. DISSERTATION, KANSAS STATE UNIVERSITY, 1979.
044004 1979 ** DISPENHDEVICE
FLOBOIL 1FORCECONV CONDENSATION
NHC
- LIN;S.T. FAN;L.T. AZER;N.Z.
"AUGMENTATION OF SINGLE PHASE CONVECTIVE HEAT TRANSFER WITH
IN-LINE STATIC MIXERS"
PROCEEDINGS OF THE 1978 HEAT TRANSFER AND FLUID MECHANICS
INSTITUTE, STANFORD UNIVERSITY PRESS, 1978, PP.117-130.
042015 1978 HTFMI DISPENHDEVICE
1FORCECONV
- MAEZAWA;S. LOCK;G.S.H.
"HEAT TRANSFER INSIDE A TUBE WITH A NOVEL PROMOTER"
HEAT TRANSFER 1978, VOL.2, HEMISPHERE PUBLISHING CORPORATION
WASHINGTON, 1978, PP.595-600
042027 1978 VIHTC DISPENHDEVICE
1FORCECONV
- MARNER;W.J. BERGLES;A.E.
"AUGMENTATION OF TUBESIDE LAMINAR FLOW HEAT TRANSFER BY
MEANS OF TWISTED-TAPE INSERTS, STATIC-MIXER INSERTS, AND
INTERNALLY FINNED TUBES"
HEAT TRANSFER 1978, VOL.2, HEMISPHERE PUBLISHING CORPORATION
WASHINGTON, D.C., 1978, PP.583-588
052076 1978 VIHTC SWIRLFLO
1FORCECONV EXTENDED SURF DISPENHDEVICE
- MEGERLIN;F.E. MURPHY;R.W. BERGLES;A.E.
"AUGMENTATION OF HEAT TRANSFER IN TUBES BY MEANS OF MESH
AND BRUSH INSERTS"
JOURNAL OF HEAT TRANSFER, VOL.96, 1974, PP.145-151
042005 1974 JHT DISPENHDEVICE
SWIRLFLO 1FORCECONV FLOBOIL
- MEGERLIN;F.E.
"THE EXPERIMENTAL DETERMINATION OF THE THERMODYNAMIC AND
HYDRODYNAMIC MECHANISM OF AUGMENTED FLOW BOILING IN TUBES"
FINAL REPORT FOR THE NAVAL AIR DEVELOPMENT CENTER, ER-5785,
JOHNSVILLE, WARMINSTER, PENNSYLVANIA, JUNE, 1970
042019 1970 ** DISPENHDEVICE
1FORCECONV FLOBOIL
- MIYASHITA;H. MUKAWA;K. SUGATA;M.
"EXPERIMENTAL STUDY OF THE IMPROVEMENTS OF HEAT TRANSFER
COEFFICIENTS USING TURBULENCE PROMOTORS"
HEAT TRANSFER - JAPANESE RESEARCH, VOL.6, NO.1, 1977,
PP.90-97
042022 1977 HTJR DISPENHDEVICE
1FORCECONV
- MUELLER;W.
"STATISCHE MISCHER, ASPEKTE ZU WAERMEUEBERGANG,
DRUCKABFALL UND MISCHGUETE"
VT VERFAHRENSTECHNIK, VOL.15, 1981, PP.104-111
042034 1981 ** DISPENHDEVICE
1FORCECONV
- MURPHY;R.W. MEGERLIN;F.E.
"THE AUGMENTATION OF FLOW BOILING HEAT TRANSFER IN TUBES"
RAYTHEON COMPANY REPORT BR-G518 FOR NAVAL AIR DEVELOPMENT
STATION, JOHNSVILLE, WARMINSTER, PENNSYLVANIA, JUNE 1971
042020 1971 ** DISPENHDEVICE
1FORCECONV FLOBOIL SWIRLFLO
- NAUMAN;E.
"ENHANCEMENT OF HEAT TRANSFER AND THERMAL HOMOGENEITY WITH
MOTIONLESS MIXERS"
AIChE JOURNAL, VOL.25, 1979, PP.246-258
042024 1979 AIChEJ DISPENHDEVICE
1FORCECONV
- PAHL;M.H. MUSCHELKNAUTZ;E.
"EINSATZ UND AUSLEGUNG STATISCHER MISCHER"
CHEMIE-INGENIEUR-TECHNIK, VOL.51, 1979, PP.347-364.
342325 1979 ** DISPENHDEVICE
1FORCECONV
- PAHL;M.H. MUSCHELKNAUTZ;E.
"STATIC MIXERS AND THEIR APPLICATIONS"
CHEMIE-INGENIEUR-TECHNIK, VOL.52, NO.4, 1980, PP.289-291
042036 1980 ** DISPENHDEVICE
1FORCECONV
- PATANKAR;S.V. LIU;C.H. SPARROW;E.M.
"FULLY DEVELOPED FLOW AND HEAT TRANSFER IN DUCTS HAVING
STREAMWISE-PERIODIC VARIATIONS OF CROSS-SECTIONAL AREA"
JOURNAL OF HEAT TRANSFER, VOL.99,1977,PP.180-186
022157 1977 JHT ROUGHSURF
DISPENHDEVICE 1FORCECONV
- PLAUTZ;D.A. JOHNSTONE;H.F.
"HEAT AND MASS TRANSFER IN PACKED BEDS"
AMERICAN INSTITUTE OF CHEMICAL ENGINEERS JOURNAL, VOL.1,
1955, PP.193-199
042033 1955 AIChEJ DISPENHDEVICE
1FORCECONV MASSTRAN
- SABERSKY;R.H.
"RAPPORT ON FORCED CONVECTION 6 (PROMOTERS, ROUGH SURFACES,
WITH INJECTION)"
HEAT TRANSFER 1974, SCRIPTA BOOK COMPANY, VOL.6, 1974,
PP.180-184
000123 1974 VIHTC LITSURVEY

ROUGH SURF EXTENDED SURF DISPENSE DEVICE INJECTOR SUCTION
1 FORCE CONVECTION

SABIN; C.M. POPPENDIEK; H.F.
"HEAT TRANSFER ENHANCEMENT FOR EVAPORATORS"
PROCEEDINGS FOURTH ANNUAL CONFERENCE ON OCEAN THERMAL ENERGY
CONVERSION, NEW ORLEANS, LOUISIANA, MARCH 1977, PP. VI-93 -
VI-104

013089 1977 ** TREAT SURF
POOL BOIL SWIRL FLOW 1 FORCE CONVECTION ROUGH SURF
DISPENSE DEVICE

SEIGEL; L.G.
"THE EFFECT OF TURBULENCE PROMOTERS ON HEAT TRANSFER
COEFFICIENTS FOR WATER FLOWING IN HORIZONTAL TUBES"
TRANSACTIONS OF AMERICAN SOCIETY OF HEATING AND VENTILATING
ENGINEERS, VOL. 52, 1946, PP. 197-204. HEATING, PIPING AND
AIR CONDITIONING - ASHRAE JOURNAL SECTION, JUNE 1946, PP.
111-114

022122 1946 ** ROUGH SURF
DISPENSE DEVICE SWIRL FLOW 1 FORCE CONVECTION

SINGER; E. WILHELM; R.H.
"HEAT TRANSFER IN PACKED BEDS. ANALYTICAL SOLUTION AND
DESIGN METHOD. FLUID FLOW, SOLIDS FLOW, AND CHEMICAL
REACTION"
CHEMICAL ENGINEERING PROGRESS, VOL. 46, NO. 7, 1950,
PP. 343-357

042013 1950 CEP DISPENSE DEVICE
1 FORCE CONVECTION

SMALL; W.M. YOUNG; R.K.
"EXCHANGER DESIGN CUTS TUBE VIBRATION FAILURES"
OIL AND GAS JOURNAL, VOL. 75, NO. 37, PP. 77-80.
042031 1977 OGJ DISPENSE DEVICE
1 FORCE CONVECTION

SOKOLOV; A.V. BASKAKOV; A.P. FILIPPOVSKIY; N.F.
"INVESTIGATION OF THE FEASIBILITY OF ENHANCING THE RATE OF
HEAT TRANSFER BETWEEN THE FLUIDIZED BED AND THE REACTOR
WALL"
FLUID MECHANICS - SOVIET RESEARCH, VOL. 9, NO. 5, 1980, PP.
127-131
042038 1980 ** DISPENSE DEVICE
1 FORCE CONVECTION

SPARROW; E.M. VEMURI; S.B. KADLE; D.S.
"ENHANCED AND LOCAL HEAT TRANSFER, PRESSURE DROP, AND
FLOW VISUALIZATION FOR ARRAYS OF BLOCK-LIKE ELECTRONIC
COMPONENTS"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL. 26,
1983, PP. 689-699
042044 1983 IJHMT DISPENSE DEVICE
1 FORCE CONVECTION

SUNUNU; J.H.
"HEAT TRANSFER WITH STATIC MIXER SYSTEMS"
KENICS CORPORATION TECHNICAL REPORT 1002, 1970
042011 1970 ** DISPENSE DEVICE
1 FORCE CONVECTION

TANASAWA; I. NISHIO; S. TAKANO; K.
TADO; M.
"ENHANCEMENT OF FORCED CONVECTION HEAT TRANSFER IN
RECTANGULAR CHANNEL USING TURBULENCE PROMOTERS"
ASME-JSME THERMAL ENGINEERING JOINT CONFERENCE PROCEEDINGS,
HONOLULU, HAWAII, MARCH 1983, VOL. 1, PP. 395-402
042045 1983 ** DISPENSE DEVICE
1 FORCE CONVECTION

TAUSCHER; W.A. STREIFF; F.A.
"STATIC MIXING OF GASES"
CHEMICAL ENGINEERING PROGRESS, VOL. 75, NO. 4, 1979, PP. 61-65.
042006 1979 CEP DISPENSE DEVICE
1 FORCE CONVECTION

THOMAS; D.G.
"ENHANCEMENT OF FORCED CONVECTION HEAT TRANSFER COEFFICIENT
USING DETACHED TURBULENCE PROMOTERS"
INDUSTRIAL AND ENGINEERING CHEMISTRY PROCESS DESIGN AND
DEVELOPMENT, VOL. 6, 1967, PP. 385-390
042003 1967 ** DISPENSE DEVICE
1 FORCE CONVECTION

VAJRAVELU; K. SASTRI; K.S.
"FREE CONVECTIVE HEAT TRANSFER IN A VISCOUS INCOMPRESSIBLE
FLUID CONFINED BETWEEN A LONG VERTICAL WAVY WALL AND A
PARALLEL FLAT WALL"
JOURNAL OF FLUID MECHANICS, VOL. 86, PART 2, 1978, PP.
365-363
042049 1978 ** DISPENSE DEVICE
1 FORCE CONVECTION

VAN DER MEER; T.H. HOOGENDOORN; C.J.
"HEAT TRANSFER COEFFICIENTS FOR VISCOUS FLUIDS IN A STATIC
MIXER"
CHEMICAL ENGINEERING SCIENCE, VOL. 33, 1978, PP. 1277-1282
042023 1978 CES DISPENSE DEVICE
1 FORCE CONVECTION

VAN DER MEER; T.H. HOOGENDOORN; C.J.
"HEAT TRANSFER ENHANCEMENT BY STATIC MIXERS FOR VERY
VISCOUS FLUIDS"
HEAT EXCHANGERS: THEORY AND PRACTICE, HEMISPHERE
PUBLISHING CORPORATION, WASHINGTON, AND MC GRAW-HILL
BOOK COMPANY, NEW YORK, 1983, PP. 953-964
042050 1983 ** DISPENSE DEVICE
1 FORCE CONVECTION

YAMADA; Y. AKAI; M. MORI; Y.
"SHELL AND TUBE-SIDE HEAT TRANSFER AUGMENTATION BY THE
USE OF WALL RADIATION IN A CROSS-FLOW SHELL-AND-TUBE
HEAT EXCHANGER"
ASME-JSME THERMAL ENGINEERING JOINT CONFERENCE PROCEEDINGS,
HONOLULU, HAWAII, MARCH 1983, VOL. 1, PP. 413-420
052113 1983 ** SWIRL FLOW
1 FORCE CONVECTION DISPENSE DEVICE

YAC; S.C. HOCHREITER; L.E. LEECH; W.J.
"HEAT TRANSFER AUGMENTATION IN ROD BUNDLES NEAR GRID
SPACERS"
JOURNAL OF HEAT TRANSFER, VOL. 104, 1982, PP. 76-81
042039 1982 JHT DISPENSE DEVICE
1 FORCE CONVECTION FLOW BOIL

DISPLACED ENHANCEMENT DEVICES — POOL BOILING

LIENHARD;J.H. DHIR;V.K. RIHERD;D.M.
 "PEAK POOL BOILING HEAT-FLUX MEASUREMENTS ON FINITE
 HORIZONTAL FLAT PLATES"
 JOURNAL OF HEAT TRANSFER, VOL.95, 1973, pp.477-482
 043001 1973 JHT DISPENHDEVICE
 POOLBOIL

MORRIS;D.G. HYMAN;C.R. MULLINS;C.B.
 YODER;G.L.
 "A PRELIMINARY EVALUATION OF ROD BUNDLE POST-CHF HEAT
 TRANSFER TO HIGH PRESSURE WATER IN TRANSIENT UPFLOW"
 OAK RIDGE NATIONAL LABORATORY PWR-BDHT SEPARATE EFFECTS
 PROGRAM INTERIM REPORT, NOVEMBER 1980
 043002 1980 ORNL DISPENHDEVICE
 POOLBOIL

SABIN;C.M. POPPENDIEK;H.F.
 "HEAT TRANSFER ENHANCEMENT FOR EVAPORATORS"

PROCEEDINGS FOURTH ANNUAL CONFERENCE ON OCEAN THERMAL ENERGY
 CONVERSION, NEW ORLEANS, LOUISIANA, MARCH 1977, pp. VI-93 -
 VI-104
 013089 1977 ** TREATSURF
 POOLBOIL SWIRLFLO 1FORCECONV ROUGHSURF
 DISPENHDEVICE

SLESARENKO;V.N. YAKUBOVSKIY;Y.V.
 "AUGMENTATION OF HEAT TRANSFER IN DESALINATION FACILITIES
 USING BOILING SEA WATER"
 HEAT TRANSFER - SOVIET RESEARCH, VOL.6, NO.4, 1974, pp.
 158-162
 043003 1974 HTSR DISPENHDEVICE
 POOLBOIL

DISPLACED ENHANCEMENT DEVICES — FLOW BOILING

AZER;N.Z. LIN;S.T. FAN;L.T.
 "AUGMENTATION OF FORCED FLOW BOILING HEAT TRANSFER WITH
 KENICS MOTIONLESS MIXERS"
 INDUSTRIAL AND ENGINEERING CHEMISTRY PROCESS DESIGN
 AND DEVELOPMENT, VOL.19, NO.2, 1980, pp. 246-250
 042026 1980 ** DISPENHDEVICE
 1FORCECONV FLOBOIL

BOND;J.A. CONVERSE;G.L.
 "VAPORIZATION OF HIGH TEMPERATURE POTASSIUM IN FORCED
 CONVECTION AT TEMPERATURES FROM 1800 F TO 2100 F"
 NATIONAL AERONAUTICS AND SPACE ADMINISTRATION TOPICAL REPORT
 R66SD3016, 1966
 054038 1966 NASA SWIRLFLO
 ROUGHSURF DISPENHDEVICE FLOBOIL

FAN;L.T. LIN;S.T. AZER;N.Z.
 "AUGMENTATION OF THE RATE OF FORCED FLOW BOILING HEAT
 TRANSFER BY MEANS OF IN-LINE STATIC MIXERS"
 LETTERS IN HEAT AND MASS TRANSFER, VOL.4, NO.6, 1977
 PP.425-428.
 044003 1977 LHMT DISPENHDEVICE
 FLOBOIL

GROENEVELD;D.C. YOUSEF;W.W.
 "SPACING DEVICES FOR NUCLEAR FUEL BUNDLES: A SURVEY OF THEIR
 EFFECT ON CHF, POST-CHF HEAT TRANSFER AND PRESSURE DROP"
 PROCEEDINGS OF THE ANS/ASME/NRC INTERNATIONAL TOPICAL
 MEETING ON NUCLEAR REACTOR THERMAL-HYDRAULICS, SARATOGA
 SPRINGS, NEW YORK, NUREG/CP-0014, VOL.2, 1980,
 PP. 1111-1130.
 044005 1980 ** DISPENHDEVICE
 FLOBOIL

HESS;D. ROSSI;R.A.
 "THE DRT SPIRAL DRYING TECHNIQUE"
 CHEMICAL ENGINEERING PROGRESS, VOL.79, NO.4, 1983,
 PP.43-50
 044006 1983 CEP DISPENHDEVICE
 FLOBOIL

LIN;S.
 "AUGMENTATION OF TWO PHASE HEAT TRANSFER WITH IN-LINE STATIC
 MIXERS"
 PH.D. DISSERTATION, KANSAS STATE UNIVERSITY, 1979.
 044004 1979 ** DISPENHDEVICE
 FLOBOIL 1FORCECONV CONDENSATION
 NHC

MEGERLIN;F.E. MURPHY;R.W. BERGLES;A.E.
 "AUGMENTATION OF HEAT TRANSFER IN TUBES BY MEANS OF MESH
 AND BRUSH INSERTS"
 JOURNAL OF HEAT TRANSFER, VOL.96, 1974, PP.145-151
 042005 1974 JHT DISPENHDEVICE
 SWIRLFLO 1FORCECONV FLOBOIL

MEGERLIN;F.E.
 "THE EXPERIMENTAL DETERMINATION OF THE THERMODYNAMIC AND
 HYDRODYNAMIC MECHANISM OF AUGMENTED FLOW BOILING IN TUBES"
 FINAL REPORT FOR THE NAVAL AIR DEVELOPMENT CENTER, BR-5785,
 JOHNSVILLE, WARMINSTER, PENNSYLVANIA, JUNE, 1970
 042019 1970 ** DISPENHDEVICE
 1FORCECONV FLOBOIL

MENTES;A. YILDIRIM;O.T. FU;L.Q.
 KAKAC;S. VEZIROGLU;T.N.
 "EXPERIMENTAL INVESTIGATION OF BOILING FLOW INSTABILITIES
 WITH HEAT TRANSFER ENHANCEMENT"
 PROCEEDINGS OF CONDENSED PAPERS OF THE THIRD MULTI-PHASE
 FLOW AND HEAT TRANSFER SYMPOSIUM-WORKSHOP, MIAMI BEACH,
 FLORIDA, APRIL 1983, P.156
 024045 1983 ** ROUGHSURF
 FLOBOIL TREATEDSURF DISPENHDEVICE

MOECK;E.O. WIKHAMMER;G.H. MAC DONALD;I.P.L.
 COLLIER;J.G.
 "TWO METHODS OF IMPROVING THE DRY-OUT HEAT FLUX FOR HIGH
 PRESSURE STEAM/WATER FLOW"
 ATOMIC ENERGY OF CANADA LIMITED REPORT AECL-2109, DECEMBER
 1964
 054044 1964 ** SWIRLFLO
 DISPENHDEVICE FLOBOIL

MURPHY;R.W. MEGERLIN;F.E.
 "THE AUGMENTATION OF FLOW BOILING HEAT TRANSFER IN TUBES"
 RAYTHEON COMPANY REPORT BR-G518 FOR NAVAL AIR DEVELOPMENT
 STATION, JOHNSVILLE, WARMINSTER, PENNSYLVANIA, JUNE 1971
 042020 1971 ** DISPENHDEVICE
 1FORCECONV FLOBOIL SWIRLFLO

QUINN;E.P.
 "TRANSITION BOILING HEAT TRANSFER PROGRAM"
 GENERAL ELECTRIC ATOMIC POWER EQUIPMENT DEPARTMENT REPORT
 GEAP-4646, 1964
 044001 1964 GEAP DISPENHDEVICE
 FLOBOIL

RYABOV;A.N. KAMEN'SHCHIKOV;F.T. FILIPOV;V.N.
 CHALYKH;A.F. YUGAY;T. STOLYAROV;Y.V.
 ELAGOVESTOVA;T.I. MANDRAZHITSKIY;V.M. YEMEL'YANOV;A.I.
 "BOILING CRISIS AND PRESSURE DROP IN ROD BUNDLES WITH HEAT
 TRANSFER ENHANCEMENT DEVICES"
 HEAT TRANSFER - SOVIET RESEARCH, VOL.9, NO.1, 1977,
 PP.112-122
 054066 1977 HTSR SWIRLFLO
 FLOBOIL DISPENHDEVICE

STYRIKOVICH;M.A. LEONT'YEV;A.I. MOSTINSKIY;I.L.
 POLONSKIY;V.S. CHERNINA;I.M.
 "EXPERIMENTAL STUDY OF FLOW AND BOILING CRISIS IN HORI-
 ZONTAL STEAM GENERATING PIPES WITH WIRE GAUZE-COVERED
 INNER WALLS"
 HEAT TRANSFER - SOVIET RESEARCH, VOL.14, NO.2, 1982,
 PP.86-91
 044007 1982 HTSR DISPENHDEVICE
 FLOBOIL

TONG;L.S. STEER;R.W. WENZEL;A.H.
 BOGAARDT;M. SPIGT;C.L.
 "CRITICAL HEAT FLUX OF A HEATER ROD IN THE CENTER OF SMOOTH
 AND ROUGH SQUARE SLEEVES, AND IN LINE-CONTACT WITH AN
 UNHEATED WALL"
 AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.
 67-WA/HT-29, 1967
 044002 1967 ASME DISPENHDEVICE
 FLOBOIL

WANG;K.B. FAN;L.T.
 "MASS TRANSFER IN BUBBLE COLUMNS PACKED WITH MOTIONLESS
 MIXERS"
 CHEMICAL ENGINEERING SCIENCE, VOL.33, 1978, PP.945-952.
 046005 1978 CES DISPENHDEVICE
 MASSTRAN FLOBOIL

YAO;S.C. HOCHREITER;L.E. LEECH;W.J.
 "HEAT TRANSFER AUGMENTATION IN ROD BUNDLES NEAR GRID
 SPACERS"
 JOURNAL OF HEAT TRANSFER, VOL.104, 1982, PP.76-81
 042039 1982 JHT DISPENHDEVICE
 1FORCECONV FLOBOIL

DISPLACED ENHANCEMENT DEVICES — CONDENSATION

AZER;N.Z. FAN;L.T. LIN;S.T.
 "AUGMENTATION OF CONDENSATION HEAT TRANSFER WITH IN-LINE
 STATIC MIXERS"
 PROCEEDINGS OF THE 1976 HEAT TRANSFER AND FLUID MECHANICS
 INSTITUTE, STANFORD UNIVERSITY PRESS, 1976, PP.512-526
 045001 1976 ** DISPENHDEVICE
 CONDENSATION

FAN;L.T. LIN;S.T. AZER;N.Z.
 "SURFACE RENEWAL MODEL OF CONDENSATION HEAT TRANSFER IN
 TUBES WITH IN-LINE STATIC MIXERS"
 INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.21,
 1978, PP.849-854
 045004 1978 IJHMT DISPENHDEVICE
 CONDENSATION

FAYNZILBERG;S.N. KOLOSKOVA;N.Y. SEMENA;M.G.
 "CORRELATION OF EXPERIMENTAL DATA ON THE MAXIMUM HEAT
 FLUXES IN TWO-PHASE THERMOSYPHONS"
 HEAT TRANSFER - SOVIET RESEARCH, VOL.11, NO.2, 1979,
 PP.119-122
 045005 1979 HTSR DISPENHDEVICE
 CONDENSATION

LIN;S.
 "AUGMENTATION OF TWO PHASE HEAT TRANSFER WITH IN-LINE STATIC
 MIXERS"
 PH.D. DISSERTATION, KANSAS STATE UNIVERSITY, 1979.
 044004 1979 ** DISPENHDEVICE
 FLOBOIL 1FORCECONV CONDENSATION
 NHC

LIN;S.T.
 "AUGMENTATION OF CONDENSATION HEAT TRANSFER WITH IN-LINE
 STATIC MIXERS"
 M.S. THESIS, KANSAS STATE UNIVERSITY, 1975
 045002 1975 ** DISPENHDEVICE
 CONDENSATION
 NHC

LIN;S.T. AZER;N.Z. FAN;L.T.
 "HEAT TRANSFER AND PRESSURE DROP DURING CONDENSATION INSIDE
 HORIZONTAL TUBES WITH STATIC MIXER INSERTS"
 ASHRAE TRANSACTIONS, VOL.86, PART 2, 1980, PP.649-661
 045003 1980 ASHRAET DISPENHDEVICE
 CONDENSATION

DISPLACED ENHANCEMENT DEVICES — MASS TRANSFER

- BOSS;J. CZASTKIEWICZ;W.
"PRINCIPLES OF SCALE-UP FOR LAMINAR PROCESSES OF
NEWTONIAN FLUIDS IN STATIC MIXERS"
INTERNATIONAL CHEMICAL ENGINEERING, VOL.22, 1982, PP.
362-367
046011 1982 ICE DISPENHDEVICE
MASSTRAN
- DUDUKOVIC;A.P. KONCAR-DJURDJEVIC;S.K.
"THE EFFECT OF THE ARRAY OF DISKS ON MASS TRANSFER RATES TO
THE TUBE WALLS"
AMERICAN INSTITUTE OF CHEMICAL ENGINEERS JOURNAL, VOL.25,
1979, PP.895-899.
046007 1979 AICHEJ DISPENHDEVICE
MASSTRAN
- DUDUKOVIC;A.P. KONCAR-DJURDJEVIC;S.K.
"EFFECT OF AN ARRAY OF OBJECTS ON MASS TRANSFER RATES TO THE
TUBE WALL: AN ADDITIONAL NOTE"
AMERICAN INSTITUTE OF CHEMICAL ENGINEERS JOURNAL, VOL.26,
1980, PP.299-301
046008 1980 AICHEJ DISPENHDEVICE
MASSTRAN
- FAN;L.T. HSU;H.H. WANG;K.B.
"MASS TRANSFER COEFFICIENTS AND PRESSURE DROP DATA OF TWO-
PHASE OXYGEN-WATER FLOW IN BUBBLE COLUMNS PACKED WITH STATIC
MIXERS"
JOURNAL OF CHEMICAL ENGINEERING DATA, VOL.20, 1975, PP.26-28
046003 1975 ** DISPENHDEVICE
MASSTRAN
- GRACE;H.P.
"DISPERSION PHENOMENA IN HIGH VISCOSITY IMMISCIBLE FLUID
SYSTEMS AND APPLICATION OF STATIC MIXERS AS DISPERSION
DEVICES IN SUCH SYSTEMS"
CHEMICAL ENGINEERING COMMUNICATIONS, VOL.14, 1982,
PP.225-277
046012 1982 ** DISPENHDEVICE
MASSTRAN
- KANG;I.S. CHANG;H.N.
"THE EFFECT OF TURBULENCE PROMOTERS ON MASS TRANSFER -
NUMERICAL ANALYSIS AND FLOW VISUALIZATION"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.25
1982, PP.1167-1181
046013 1982 IJHMT DISPENHDEVICE
MASSTRAN
- KONCAR-DJURDJEVIC;S.DUDUKOVIC;A.P.
"THE EFFECT OF SINGLE STATIONARY OBJECTS PLACED IN THE FLUID
STREAM ON MASS TRANSFER RATES TO THE TUBE WALLS"
AMERICAN INSTITUTE OF CHEMICAL ENGINEERS JOURNAL, VOL.23,
1977, PP.125-128
046006 1977 AICHEJ DISPENHDEVICE
MASSTRAN
- LEVA;M. BRAUN;R.
"DIE ENTWICKLUNG EINES NEUEN FUELLKOERPERS"
VT. VERFAHRENSTECHNIK, VOL.14, 1980, PP.676-684
046010 1980 ** DISPENHDEVICE
MASSTRAN
- MIYASHITA;H. SHIOMI;Y. WAKABAYASHI;K.
"AUGMENTATIVE MECHANISM OF MASS TRANSFER USING A TURBULENCE
PROMOTER IN RECTANGULAR DUCT"
INTERNATIONAL CHEMICAL ENGINEERING, VOL.21, 1981, PP.646-651
046009 1981 ICE DISPENHDEVICE
MASSTRAN
- PLAUTZ;D.A. JOHNSTONE;H.F.
"HEAT AND MASS TRANSFER IN PACKED BEDS"
AMERICAN INSTITUTE OF CHEMICAL ENGINEERS JOURNAL, VOL.1,
1955, PP.193-199
042033 1955 AICHEJ DISPENHDEVICE
1FORCECONV MASSTRAN
- SHERWOOD;T.K. PIGFORD;R.L. WILKIE;C.R.
"MASS TRANSFER"
MC GRAW HILL BOOK COMPANY, NEW YORK, 1975, PP.238-245
000057 1975 ** LITSURVEY
MASSTRAN SURFACEVIB MECHAID DISPENHDEVICE
- STRAMONDO;J. WANG;D.I.C.
"THE KOCH STATIC MIXING ELEMENTS AS AN OXYGEN TRANSFER
DEVICE IN FERMENTATION"
AMERICAN SOCIETY OF CHEMICAL ENGINEERS PAPER NO.121D, 1976
046004 1976 AICHE DISPENHDEVICE
MASSTRAN
- THOMAS;D.G.
"FORCED CONVECTION MASS TRANSFER: PART II. EFFECT OF WIRES
LOCATED NEAR THE EDGE OF THE LAMINAR BOUNDARY LAYER ON THE
RATE OF FORCED CONVECTION FROM A FLAT PLATE"
AMERICAN INSTITUTE OF CHEMICAL ENGINEERS JOURNAL, VOL.11,
1965, PP.848-852
046001 1965 AICHEJ DISPENHDEVICE
MASSTRAN
- THOMAS;D.G.
"FORCED CONVECTION MASS TRANSFER: PART III. INCREASED MASS
TRANSFER FROM A FLAT PLATE CAUSED BY THE WAKE FROM CYLINDERS
LOCATED NEAR THE EDGE OF THE BOUNDARY LAYER"
AMERICAN INSTITUTE OF CHEMICAL ENGINEERS JOURNAL, VOL.12,
1966, PP.124-130
046002 1966 AICHEJ DISPENHDEVICE
MASSTRAN
- WANG;K.B. FAN;L.T.
"MASS TRANSFER IN BUBBLE COLUMNS PACKED WITH MOTIONLESS
MIXERS"
CHEMICAL ENGINEERING SCIENCE, VOL.33, 1978, PP.945-952.
046005 1978 CES DISPENHDEVICE
MASSTRAN FLOBOIL

SWIRL FLOW DEVICES — FORCED CONVECTION

- ABDEL-SALAM;M.S. HILAL;M.M. KHALIL;E.E.
MOSTAFA;A.M.A.
"EFFECT OF SWIRL ANGLE AND GEOMETRY ON HEAT TRANSFER IN
TURBULENT PIPE FLOW"
HEAT EXCHANGERS: THEORY AND PRACTICE, HEMISPHERE
PUBLISHING CORPORATION, WASHINGTON, AND MC GRAW-HILL
BOOK COMPANY, NEW YORK, 1983, PP.933-944
052119 1983 ** SWIRLFLO
1FORCECONV
- ALIMOV;P.S.
"HYDRAULIC RESISTANCE AND HEAT AND MASS TRANSFER IN VORTEX
FLOW"
INZHENERNO-FIZICHESKII ZHURNAL, VOL.10, NO.4, 1966,
PP.437-445
052015 1966 ** SWIRLFLO
1FORCECONV
- ALIMOV;R.Z. LUKIYANOV;V.I.
"STUDY OF CONVECTIVE HEAT TRANSFER ON THE INNER WALL OF AN
ANNULAR CHANNEL UNDER THE CONDITIONS OF A SWIRLED FLOW"
TEPLO-I MASSOBBMEN V KHIMICHESKOI TEKHNologii KAZAN, NO.7
1979, PP.3-5
052107 1979 ** SWIRLFLO
1FORCECONV
- ANKUDINOV;V.E. KURGANOV;V.A.
"INTENSIFICATION OF DETERIORATED HEAT TRANSFER IN HEATED
TUBES AT SUPERCRITICAL PRESSURES"
HIGH TEMPERATURE, VOL.19, NO.6, 1981, PP.670-874
052002 1981 ** SWIRLFLO
1FORCECONV
- ATAGUNDUZ;G.
"LOCAL CONVECTIVE HEAT TRANSFER COEFFICIENTS FOR SWIRL FLOWS
IN LONG PIPES"
PROCEEDINGS OF THE EXTENDED ABSTRACTS, 2ND MULTI-PHASE FLOW
AND HEAT TRANSFER SYMPOSIUM-WORKSHOP, MIAMI BEACH, FLORIDA,
APRIL 1979, PP.215-223.
052059 1979 ** SWIRLFLO
1FORCECONV
- BERGLES;A.E. LEE;R.A. MIKIC;B.B.
"HEAT TRANSFER IN ROUGH TUBES WITH TAPE-GENERATED SWIRL
FLOW"
JOURNAL OF HEAT TRANSFER, VOL.91, 1969, PP.443-445
142002 1969 JHT COMPOUNDTECH
SWIRLFLO ROUGHSURF 1FORCECONV
- BLACKWELDER;R. KREITH;F.
"AN EXPERIMENTAL INVESTIGATION OF HEAT TRANSFER AND PRESSURE
DROP IN A DECAYING SWIRL FLOW"
AUGMENTATION OF CONVECTIVE HEAT AND MASS TRANSFER,
AMERICAN SOCIETY OF MECHANICAL ENGINEERS, NEW YORK, 1970,
PP.102-106
052031 1970 ACHMT SWIRLFLO
1FORCECONV
- BLUM;H.A. OLIVER;L.R.
"HEAT TRANSFER IN A DECAYING VORTEX SYSTEM"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.
66-WA/HT-62, 1966
052014 1966 ASME SWIRLFLO
1FORCECONV
- BOERNER;C.J.
"NUMERICAL SOLUTION OF TURBULENT ANNULAR SWIRL FLOWS"
AD-716 450, 1970
052069 1970 ** SWIRLFLO
1FORCECONV
- BOL'SHAKOV;A.G. RYABYKH;V.G.
"STUDY OF FLUID DYNAMICS OF A HEAT EXCHANGER WITH SWIRLED
GAS AND LIQUID FLOW"
HEAT TRANSFER - SOVIET RESEARCH, VOL.3, NO.2, 1971,
PP.104-109
052073 1971 HTSR SWIRLFLO
1FORCECONV
- BOLLA;G. DE GIORGIO;C. PEDROCCHI;E.
"HEAT TRANSFER AND PRESSURE DROP COMPARISON IN TUBES WITH
TRANSVERSE RIBS AND WITH TWISTED TAPES"
ENERGIA NUCLEARE, VOL.20, 1973, PP.604-613
052047 1973 ** SWIRLFLO
ROUGHSURF 1FORCECONV
- BREVI;R.
"FORCED CONVECTION HEAT TRANSFER AND BURN-OUT MEASUREMENTS
WITH TWISTED TAPES"
TERMOTECNICA, VOL.25, 1971, PP.619-625
052042 1971 ** SWIRLFLO
1FORCECONV FLOBOIL
- CHIRANJIVI;C. MURTY;J.V.S.
"CONVECTIVE HEAT TRANSFER IN THE PRESENCE OF A TURBULATOR"
INDIAN JOURNAL OF TECHNOLOGY, VOL.11, 1973, PP.327-329
052038 1973 ** SWIRLFLO
1FORCECONV
- CHIU;C. TODREAS;N.E. ROHSENOW;W.M.
"PREDICTION OF TEMPERATURE DISTRIBUTION IN WIRE-WRAPPED
NUCLEAR FUEL ROD ASSEMBLIES"
TURBULENT FORCED CONVECTION IN CHANNELS AND BUNDLES, VOL. 1,
HEMISPHERE PUBLISHING CORPORATION, WASHINGTON, D.C., 1979,
PP. 175-184.
052083 1979 ** SWIRLFLO
1FORCECONV PERFORMANCE
- COLBURN;A.P. KING;W.J.
"HEAT TRANSFER AND PRESSURE DROP IN EMPTY, BAFFLED, AND
PACKED TUBES. III. RELATIONSHIP BETWEEN HEAT TRANSFER AND
PRESSURE DROP"
INDUSTRIAL AND ENGINEERING CHEMISTRY, VOL.23, 1931, PP.919-
923
052036 1931 IEC SWIRLFLO
DISPENHDEVICE 1FORCECONV
- DATE;A.W. SINGHAM;J.R.
"NUMERICAL PREDICTION OF FRICTION AND HEAT TRANSFER
CHARACTERISTICS OF FULLY DEVELOPED LAMINAR FLOW IN TUBES
CONTAINING TWISTED TAPES"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.
72-HT-17, 1972
052033 1972 ASME SWIRLFLO
1FORCECONV
- DATE;A.W.
"FLOW IN TUBES CONTAINING TWISTED TAPES"
HEATING AND VENTILATING ENGINEERING, VOL.47, 1973, PP.240-
249
052045 1973 ** SWIRLFLO
1FORCECONV
- DATE;A.W.
"PREDICTION OF FULLY-DEVELOPED FLOW IN A TUBE CONTAINING A
TWISTED-TAPE"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.17, 1974
PP.845-859
052052 1974 IJHMT SWIRLFLO
1FORCECONV
- DAVIDSON;D.M.
"RADIATION FIN AUGMENTATION IN A TUBE WITH TAPE-
GENERATED SWIRL FLOW"
ASME-JSME THERMAL ENGINEERING JOINT CONFERENCE PROCEEDINGS,
HONOLULU, HAWAII, MARCH 1983, VOL.1, PP.403-410
052114 1983 ** SWIRLFLO
1FORCECONV
- DOMANSKIY;I.V. SOKOLOV;V.N.
"HEAT TRANSFER IN TURBULENT ASCENDING GAS-LIQUID FLOW IN A
VERTICAL TUBE WITH TWISTED TAPE TURBULENCE PROMOTOR"
HEAT TRANSFER - SOVIET RESEARCH, VOL.8, NO.6, 1976, PP.70-75
052079 1976 HTSR SWIRLFLO
1FORCECONV
- DRIZHYUS;M.R.M. SHKEMA;R.K. SHLANCHYASKAS;A.A.
"HEAT TRANSFER IN A TWISTED STREAM OF WATER IN A TUBE"
INTERNATIONAL CHEMICAL ENGINEERING, VOL.20, 1980, PP.486-489
052109 1980 ICE SWIRLFLO
1FORCECONV
- DUNN;J.R. VAFAIE;F.N.
"FORCED CONVECTION HEAT TRANSFER FOR TWO-PHASE HELICAL FLOW"

IN A SOLAR RECEIVER"

AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.

01-WA/HT-13, 1981

054069 1981 ASME SWIRLFLO
FLOBOIL 1FORCECONVDVORNIKOV;N.A. LEBEDEV;V.P. SHISHKIN;N.Y.
"SWIRLED-FILM COOLING OF CYLINDRICAL CHANNELS"
HEAT TRANSFER - SOVIET RESEARCH, VOL.12, NO.6, 1980, PP.
1-20
052099 1980 HTSR SWIRLFLO
1FORCECONVERSHOV;A.I. SHNAIDERMAN;M.F.
"ESTIMATION OF EFFICIENCY OF HIGH-RATE HEAT AND MASS
EXCHANGERS WITH PHASE IN A SWIRLED FLOW"
ABSTRACT FROM THE FIFTH ALL-UNION HEAT AND MASS TRANSFER
CONFERENCE, MINSK, USSR, 1976, P.102
052095 1976 ** SWIRLFLO
1FORCECONV MASSTRANEVANS;S.I. SARJANT;R.J.
"HEAT TRANSFER AND TURBULENCE IN GASES FLOWING INSIDE TUBES"
JOURNAL OF THE INSTITUTE OF FUEL, VOL.24, 1951, PP.216-227
052004 1951 ** SWIRLFLO
DISPENNDFVICF 1FORCECONVFODEMSKI;T. STANISZEWSKI;B.
"EXPERIMENTAL INVESTIGATION OF INSERTION MODELS INTENSIFYING
HEAT EXCHANGE"
BIULETYN INFORMACYJNY, INSTYTUTU TECHNIKI CIEPLNEJ,
POLITECHNIKA WARSZAWSKA, NO.51, 1978, PP.13-40
142026 1978 ** COMPOUNDTECH
SWIRLFLO MECHAID 1FORCECONVFOLTZ;D.R.
"DESIGN TECHNIQUES TO IMPROVE COMPRESSED AIR HEAT TRANSFER
RATES"
COMPRESSED AIR AND GAS INSTITUTE TECHNICAL DIGEST, VOL. 13,
NO. 2, PP. 10-14
052085 ** ** SWIRLFLO
1FORCECONVGAMBILL;W.R. BUNDY;R.D.
"AN EVALUATION OF THE PRESENT STATUS OF SWIRL FLOW HEAT
TRANSFER"
OAK RIDGE NATIONAL LABORATORY REPORT ORNL 61-461, 1961.
AMERICAN SOCIETY OF MECHANICAL ENGINEERS, PAPER NO.62-HT-
42, 1962
000020 1961 1962 ORNL
ASME LITSURVEY SWIRLFLO 1FORCECONV
FLOBOILGAMBILL;W.R. BUNDY;R.D. WANSBROUGH;R.W.
"HEAT TRANSFER, BURNOUT, AND PRESSURE DROP FOR WATER IN
SWIRL FLOW TUBES WITH INTERNAL TWISTED TAPES"
CHEMICAL ENGINEERING PROGRESS SYMPOSIUM SERIES, VOL.57,
NO.32, 1961, PP.127-137
052006 1961 CEPSS SWIRLFLO
1FORCECONV FLOBOILGAMBILL;W.R. BUNDY;R.D.
"HIGH-FLUX HEAT TRANSFER CHARACTERISTICS OF PURE ETHYLENE
GLYCOL IN AXIAL SWIRL FLOW"
AMERICAN INSTITUTE OF CHEMICAL ENGINEERS JOURNAL, VOL.9,
1963, PP.55-59
052009 1963 AICHEJ SWIRLFLO
1FORCECONV FLOBOILGANAPATHY;V.
"CHARTS SIMPLIFY SPIRAL FINNED-TUBE CALCULATIONS"
CHEMICAL ENGINEERING, VOL.84, 1977, PP.117-122
032168 1977 ** EXTENDED SURF
1FORCECONV SWIRLFLOGORBIS;Z.R. BELY;L.M.
"AERODYNAMICS AND HEAT TRANSFER OF A COUNTERCURRENT GASEOUS
SUSPENSION FLOWING ONTO DECELERATING SPIRAL INSERTS"
HEAT TRANSFER-SOVIET RESEARCH, VOL.2, NO.3, 1970, PP.40-46
142003 1970 HTSR COMPOUNDTECH
ADDFORGASES SWIRLFLO 1FORCECONVGUTSTEIN;M.V. CONVERSE;G.L. PETERSON;J.T.
"THEORETICAL ANALYSIS AND MEASUREMENT OF SINGLE PHASE
PRESSURE LOSSES AND HEAT TRANSFER FOR HELICAL FLOW IN A
TUBE"
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION TECHNICAL NOTE
6097, NOVEMBER 1970
052028 1970 NASATN SWIRLFLO
1FORCECONVGUTSTEIN;M.V. CONVERSE;G.L. PETERSON;J.R.
"AUGMENTATION OF SINGLE-PHASE HEAT TRANSFER IN TUBES BY USE
OF HELICAL VANE INSERTS"
HEAT TRANSFER 1970, VOL.1, PAPER FC4.7, ELSEVIER PUBLISH-
ING COMPANY, AMSTERDAM, 1970
052030 1970 IVIHTC SWIRLFLO
1FORCECONVHABIB;M.A. MC ELIGOT;D.M.
"CONVECTIVE HEAT TRANSFER FOR SHIP PROPULSION"
SIXTH ANNUAL SUMMARY REPORT, ENGINEERING EXPERIMENT STATION,
UNIVERSITY OF ARIZONA, APRIL 1980
052088 1980 ** SWIRLFLO
1FORCECONVHABIB;M.A. MC ELIGOT;D.M.
"TURBULENT HEAT TRANSFER IN A SWIRL FLOW DOWNSTREAM OF
AN ABRUPT PIPE EXPANSION"
HEAT TRANSFER 1982, VOL.3, HEMISPHERE PUBLISHING COMPANY,
WASHINGTON, D.C., 1982, PP.159-164
052105 1982 VIIHTC SWIRLFLO
1FORCECONVHAY;N. WEST;P.D.
"HEAT TRANSFER IN FREE SWIRLING FLOW IN A PIPE"
JOURNAL OF HEAT TRANSFER, VOL.97, 1975, PP.411-416
052053 1975 JHT SWIRLFLO
1FORCECONVHERBERT;L.S. STERNS;U.J.
"AN EXPERIMENTAL INVESTIGATION OF HEAT TRANSFER TO WATER
IN FILM FLOW: PART I, NON-BOILING RUNS WITH AND WITHOUT
INDUCED SWIRL"
CANADIAN JOURNAL OF CHEMICAL ENGINEERING, VOL.46, 1968, PP.
401-407
052018 1968 ** SWIRLFLO
1FORCECONVHILDING;W.E. COOGAN JR.;C.H.
"HEAT TRANSFER AND PRESSURE LOSS MEASUREMENTS IN INTERNAL
LY FINNED TUBES"
SYMPOSIUM ON AIR-COOLED HEAT EXCHANGERS, AMERICAN SOCIETY
OF MECHANICAL ENGINEERS, 1964, PP.57-85
032006 1964 ASME EXTENDED SURF
1FORCECONV SWIRLFLOHOFFMAN;H.W. KEYES JR.;J.J.
"STUDIES IN HEAT TRANSFER AND FLUID MECHANICS PROGRESS
REPORT FOR PERIOD JANUARY 1- SEPTEMBER 30, 1963"
OAK RIDGE NATIONAL LABORATORY REPORT ORNL-TM-915,
OCTOBER 1964
054051 1964 ORNL SWIRLFLO
FLOBOIL 1FORCECONVHONG;S.W. BERGLES;A.E.
"AUGMENTATION OF LAMINAR FLOW HEAT TRANSFER IN TUBES BY
MEANS OF TWISTED-TAPE INSERTS"
HEAT TRANSFER LABORATORY REPORT HTL-5, ISU-ERI-AMES-75011,
IOWA STATE UNIVERSITY, DECEMBER 1974
052058 1974 ISU SWIRLFLO
1FORCECONVHONG;S.W. BERGLES;A.E.
"AUGMENTATION OF LAMINAR FLOW HEAT TRANSFER IN TUBES BY
MEANS OF TWISTED-TAPE INSERTS"
JOURNAL OF HEAT TRANSFER, VOL.98, 1976, PP.251-256
052064 1976 JHT SWIRLFLO
1FORCECONVHSIA;E.S.
"FORCED CONVECTIVE ANNULAR FLOW BOILING WITH LIQUID MERCURY
UNDER WETTED AND SWIRL FLOW CONDITIONS"

LIQUID-METAL HEAT TRANSFER AND FLUID DYNAMICS, AMERICAN
SOCIETY OF MECHANICAL ENGINEERS, NEW YORK, 1970, PP.76-83
054027 1970 ASME SWIRLFLO
1FORCECONV

HUANG;F. TSOU;F.K.
"FRICTION AND HEAT TRANSFER IN LAMINAR FREE SWIRLING FLOW
IN PIPES"
GAS TURBINE HEAT TRANSFER, ASME: NEW YORK, 1979, PP.71-78
PP.71-78
052032 1979 ASME SWIRLFLO
1FORCECONV

HUANG;F.C.
"NUMERICAL COMPUTATIONS OF FRICTION AND HEAT TRANSFER IN
FREE SWIRLING PIPE FLOW"
DISSERTATION, DREXEL UNIVERSITY, 1981
052094 1981 ** SWIRLFLO
1FORCECONV

IBRAGIMOV;M.H. NOMOFELOV;E.V. SUBBOTIN;V.I.
"HEAT TRANSFER AND HYDRAULIC RESISTANCE WITH THE SWIRL-TYPE
MOTION OF LIQUID IN PIPES"
TEPLOENERGETIKA, VOL.8, NO.7, 1961, PP.57-60
052007 1961 TE SWIRLFLO
1FORCECONV

IEVLEV;V.M. DANILOV;Y.I. DZYUBENKO;B.V.
DREITSER;G.A. PARAMONOV;N.V.
"HEAT TRANSFER AND HYDRODYNAMICS OF SWIRLED FLOWS IN
COMPLEX-GEOMETRY CHANNELS"
ABSTRACT FROM THE SIXTH ALL-UNION HEAT AND MASS TRANSFER
CONFERENCE, MINSK, USSR, 1980, P.15
052087 1980 ** SWIRLFLO
1FORCECONV

IEVLEV;V.M. DZYUBENKO;B.V. DREITSER;G.A.
VILEMAS;Y.V.
"IN-LINE AND CROSS-FLOW HELICAL TUBE HEAT EXCHANGERS"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.25,
1982, PP.317-323
052098 1982 IJHMT SWIRLFLO
1FORCECONV

IEVLEV;V.M. KALININ;E.K. DANILOV;Y.I.
DZYUBENKO;B.V. DREITZER;G.A.
"HEAT TRANSFER IN THE TURBULENT SWIRLING FLOW IN A CHANNEL
OF COMPLEX SHAPE"
HEAT TRANSFER 1982, VOL.3, HEMISPHERE PUBLISHING COMPANY,
WASHINGTON, D.C., 1982, PP.171-176
052106 1982 VIIHTC SWIRLFLO
1FORCECONV

IGUMENTSEV;T.I. NAZMEEV;Y.G.
"INTENSIFICATION OF CONVECTIVE HEAT TRANSFER BY SPIRAL
SWIRLERS IN THE FLOW OF ANOMALOUSLY VISCOUS LIQUIDS IN PIPES"
JOURNAL OF ENGINEERING PHYSICS, VOL.35, 1979, PP.890-894.
052060 1979 JEP SWIRLFLO
1FORCECONV

ITO;S. OGAWA;K. KURODA;C.
"TURBULENT SWIRLING FLOW IN A CIRCULAR PIPE"
JOURNAL OF CHEMICAL ENGINEERING OF JAPAN, VOL.13,
1980, PP.6-10
052097 1980 ** SWIRLFLO
1FORCECONV

JOSHI;S.D. BERGLES;A.E.
"SURVEY AND EVALUATION OF PASSIVE HEAT TRANSFER AUGMENTATION
TECHNIQUES FOR LAMINAR FLOW"
JOURNAL OF THERMAL ENGINEERING, VOL.1, NO.3, 1980, PP.
105-124
000107 1980 ** LITSURVEY
1FORCECONV ROUGHSURF EXTENDED SURF DISPENS DEVICE
SWIRLFLO

JUNKHAN;G.H. BERGLES;A.E. NIRMALAN;V.
RAVIGURURAJAN;T.
"INVESTIGATION OF TURBULATORS FOR FIRE TUBE BOILERS"
THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS, PAPER NO.
83-HT-44, 1983
052120 1983 ASME SWIRLFLO

1FORCECONV

JUNKHAN;G.H. BERGLES;A.E. NIRMALAN;V.
RAVIGURURAJAN;T.
"TESTS OF TURBULATORS FOR FIRE-TUBE BOILERS"
HEAT TRANSFER LABORATORY REPORT NO. HTL-29, ISU-ERI-AMES-
83130, IOWA STATE UNIVERSITY, 1982
052121 1982 ISU SWIRLFLO
1FORCECONV

KAMENTSII;B.Y.
"THE EFFECT OF TURBULENCE PROMOTERS IN TUBES WITH
NON-UNIFORMLY HEATED PERIMETERS UNDER CONDITIONS OF IMPAIRED
HEAT TRANSFER"
THERMAL ENGINEERING, VOL.27, NO.4, 1980, PP.222-223
052110 1980 TENG SWIRLFLO
1FORCECONV

KHALATOV;A.A. SCHUKIN;V.K. KOZHEVNIKOV;A.V.
"LOCAL HEAT TRANSFER IN A TUBE WITH BLOWING INTO A TUBE WITH
A DIFFERENT LEVEL OF THE INITIAL TWIST"
TEPLOFIZIKA VYSOKIKH TEMPERATUR, VOL.15, NO.4, 1977
PP.681-686
052080 1977 ** SWIRLFLO
1FORCECONV

KHALATOV;A.A.
"HEAT TRANSFER LAW FOR THE SWIRLED FLOW AT THE STARTING
LENGTH OF THE TUBE"
SOVIET AERONAUTICS, VOL.20, 1977, NO.1, PP.87-89.
052082 1977 ** SWIRLFLO
1FORCECONV

KHALATOV;A.A. SHUCHUKIN;V.K.
"THE EFFECT OF SWIRL FLOW ON LOCAL HEAT AND MASS TRANSFER
IN TURBULENT FLOWS IN PIPE INLETS"
HEAT TRANSFER-SOVIET RESEARCH, VOL.11, NO.3, 1979, PP.10-15.
052035 1979 HTSR SWIRLFLO
1FORCECONV MASSTRAN

KHALATOV;A.A.
"GENERAL LAWS OF HEAT TRANSFER IN SWIRLING INTERNAL PIPE
FLOWS"
SOVIET AERONAUTICS, VOL.22, NO.1, 1979, PP.54-57.
052065 1979 ** SWIRLFLO
1FORCECONV MASSTRAN

KHALATOV;A.A.
"THE CALCULATION OF CHARACTERISTICS OF SWIRL FLOW IN THE
NEAR-WALL REGION OF THE CYLINDRICAL CHANNEL"
PROMYSHLENNAYA TEPLOTEKHNIKA, VOL.2, NO.1, 1980, PP.57-61
042043 1980 ** SWIRLFLO
1FORCECONV

KHALIL;E.E.
"HEAT TRANSFER TO TURBULENT PIPE FLOWS WITH SWIRL AND
FOLLOWING A SUDDEN ENLARGEMENT"
HEAT TRANSFER 1982, VOL.3, HEMISPHERE PUBLISHING COMPANY,
WASHINGTON, D.C., 1982, PP.57-62
052103 1982 VIIHTC SWIRLFLO
1FORCECONV

KHARITONOV;V.P.
"THE EFFECT OF LIQUID FLOW SWIRL ON THE INTENSIFICATION OF
CONVECTION HEAT TRANSFER IN A CIRCULAR CYLINDRICAL TUBE"
JOURNAL OF ENGINEERING PHYSICS, VOL.16, 1969, PP.141-146
052024 1969 JEP SWIRLFLO
1FORCECONV

KHARITONOV;V.P.
"THE EFFECT OF TWIST IN A FLUID STREAM ON THE INTENSIFI-
CATION OF CONVECTIVE HEAT TRANSFER IN A CIRCULAR
CYLINDRICAL TUBE"
INTERNATIONAL CHEMICAL ENGINEERING, VOL.9, 1969, PP.634-638
052074 1969 ICE SWIRLFLO
1FORCECONV

KIDD JR.;G.J.
"HEAT TRANSFER AND PRESSURE DROP FOR NITROGEN FLOWING IN
TUBES CONTAINING TWISTED TAPES"
AMERICAN INSTITUTE OF CHEMICAL ENGINEERS JOURNAL,
VOL.15, 1969, PP.581-585

- 052020 1969 AICHEJ SWIRLFLO
1FORCECONV
- KILGER;H. KUSDORF;B. WESSELMANN;R.
"HEAT TRANSFER AND PRESSURE DROP IN VERTICAL SPIRAL HEAT EXCHANGERS UNDER CONDITIONS OF COUNTER-CURRENT FLOW AND TURBULENT FLOW OF LIQUIDS"
CHEMIE - INGENIEUR - TECHNIK, VOL.47, 1975, P.199
052061 1975 ** SWIRLFLO
1FORCECONV
- KIROV;N.Y.
"TURBULENCE PROMOTERS IN BOILER SMOKE TUBES"
JOURNAL OF THE INSTITUTE OF FUEL, VOL.22, 1949, PP.192-196, 339
052003 1949 ** SWIRLFLO
1FORCECONV
- KIYA;M. FUKUSAKO;S. ARIE;M.
"LAMINAR SWIRLING FLOW IN THE ENTRANCE REGION OF A CIRCULAR PIPE"
JOURNAL OF JAPAN SOCIETY OF MECHANICAL ENGINEERS, VOL. 14, 1971, PP. 659-670
052008 1971 JJSME SWIRLFLO
1FORCECONV
- KLACZAK;A.
"ANALYSIS OF THE OPERATION OF EXCHANGER TUBES WITH INTERNAL AXIAL HELICAL SCREW, GENERATOR OF SWIRL"
REVUE GENERALE DE THERMIQUE, VOL.10, NO.112, 1971, PP.341-351
052034 1971 ** SWIRLFLO
1FORCECONV
- KLACZAK;A.
"HEAT TRANSFER IN TUBES WITH SPIRAL AND HELICAL TURBULATORS"
JOURNAL OF HEAT TRANSFER, VOL.95, 1973, PP.557-558
052043 1973 JHT SWIRLFLO
1FORCECONV
- KLEPPER;O.H.
"HEAT TRANSFER PERFORMANCE OF SHORT TWISTED TAPES"
AMERICAN INSTITUTE OF CHEMICAL ENGINEERS SYMPOSIUM SERIES, VOL.69, NO.31, 1973, PP.87-93
052041 1973 AICHE SWIRLFLO
1FORCECONV
- KOBALSKII;B.S. SILANT'EV;A.V. MARCHENKO;P.S.
"DESIGN OF SPIRAL HEAT EXCHANGERS"
INTERNATIONAL CHEMICAL ENGINEERING, VOL.15, 1975, PP.90-94
052062 1975 ICE SWIRLFLO
1FORCECONV
- KÖCH;R.
"DRUCKVERLUST UND WAERMEUEBERGANG BEI VERWIRBELTER STROMUNG"
VEREIN DEUTSCHER INGENIEURE FORSHUNGSHEFT 469, SERIES B, VOL.24, 1950, PP.1 44
042007 1958 ** DISPENHDEVICE
ROUGH SURF 1FORCECONV SWIRLFLO
- KOVAL'NOGAV;A.F. SHCHUKIN;V.K. GORTYSHEV;Y.F.
"THE EFFECT OF LOCAL FLOW SWIRL ON HEAT TRANSFER IN THE INITIAL SECTION OF A CYLINDRICAL PIPE"
HEAT TRANSFER - SOVIET RESEARCH, VOL.6, NO.3, 1974, PP.109-114
052055 1974 HTSR SWIRLFLO
1FORCECONV
- KOVALNOGOV;A.F. CRMACHENKO;V.P.
"EFFECTS OF BLADE SHAPE ON HEAT TRANSFER RESISTANCE FOR A SPIRAL FLOW IN A TUBE"
JOURNAL OF ENGINEERING PHYSICS, VOL.31, 1976, PP.900-903
052070 1976 JEP SWIRLFLO
1FORCECONV
- KREITH;F. MARCOLIS;D.
"HEAT TRANSFER AND FRICTION IN TURBULENT VORTEX FLOW"
APPLIED SCIENTIFIC RESEARCH, VOL.8, 1959, PP.457-473
052005 1959 ** SWIRLFLO
1FORCECONV
- LAL;S. VARMA;H.K. AGRAWAL;K.N.
"HEAT TRANSFER AND PRESSURE DROP WITH SWIRL FLOW"
PROC. NATL. SYMP. REFRIG. AIR COND., 2ND, (INDIA), 1973, PP.119-127
052072 1973 ** SWIRLFLO
1FORCECONV
- LEYLEV;V.M. DANILOV;Y.I. DZYUBENKO;B.V.
DREYTSER;G.A. PARAMONOV;N.V.
"HEAT TRANSFER AND DYNAMICS OF SWIRLED FLOWS IN CHANNELS OF COMPLEX GEOMETRY"
ABSTRACT FROM THE SIXTH ALL-UNION HEAT AND MASS TRANSFER CONFERENCE, MINSK, USSR, 1980, HEAT TRANSFER - SOVIET RESEARCH, VOL.13, NO.5, 1981, PP.131-132
052096 1981 HTSR SWIRLFLO
1FORCECONV
- LINKE;V.W. DIA;T. SKUPINSKI;E.
"DIE DURCHFLOSSLEISTUNG VON WAERMEUEBERTRAGERN MIT KUNSTLICHER TURBULENZ"
ALLGEMEINE WAERMETECHNIK, VOL.11, NO.2, 1962, PP.19-25.
052071 1962 ** SWIRLFLO
1FORCECONV
- LOPINA;R.F. BERGLES;A.E.
"HEAT TRANSFER AND PRESSURE DROP IN TAPE GENERATED SWIRL FLOW"
MASSACHUSETTS INSTITUTE OF TECHNOLOGY ENGINEERING PROJECTS LABORATORY REPORT NO.70281-47, 1967
052017 1967 MIT SWIRLFLO
1FORCECONV FLOBOIL
- LOPINA;R.F. BERGLES;A.E.
"HEAT TRANSFER AND PRESSURE DROP IN TAPE GENERATED SWIRL FLOW OF SINGLE-PHASE WATER"
JOURNAL OF HEAT TRANSFER, VOL.91, 1969, PP.434-442
052023 1969 JHT SWIRLFLO
1FORCECONV
- MARCHESE;A.R.
"INFLUENCE OF ROD SPACERS ON THE HEAT TRANSFER TO A LIQUID METAL FLOWING IN-LINE THROUGH A CLOSELY SPACED ROD BUNDLE"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO. 73-HT-59, 1973
052027 1973 ASME SWIRLFLO
1FORCECONV
- MARNER;W.J. BERGLES;A.E.
"AUGMENTATION OF TUBESIDE LAMINAR FLOW HEAT TRANSFER BY MEANS OF TWISTED-TAPE INSERTS, STATIC-MIXER INSERTS, AND INTERNALLY FINNED TUBES"
HEAT TRANSFER 1978, VOL.2, HEMISPHERE PUBLISHING CORPORATION WASHINGTON, D.C., 1978, PP.503-500
052076 1978 VINITI SWIRLFLO
1FORCECONV EXTENDED SURF DISPENHDEVICE
- MASLIYAH;J.H. NANDAKUMAR;K.
"STEADY LAMINAR FLOW THROUGH TWISTED PIPES"
JOURNAL OF HEAT TRANSFER, VOL. 103, 1981, PP. 791-796.
052092 1981 JHT SWIRLFLO
1FORCECONV
- MEGERLIN;F.E. MURPHY;R.W. BERGLES;A.E.
"AUGMENTATION OF HEAT TRANSFER IN TUBES BY MEANS OF MESH AND BRUSH INSERTS"
JOURNAL OF HEAT TRANSFER, VOL.96, 1974, PP.145-151
042005 1974 JHT DISPENHDEVICE
SWIRLFLO 1FORCECONV FLOBOIL
- MIGAI;V.K.
"INTENSIFICATION OF CONVECTIVE HEAT TRANSFER IN CHANNELS BY USING ARTIFICIAL TURBULIZATION OF FLOW"
IZVESTIYA AKADEMII NAUK SSSR. ENERGETIKA I TRANSPORT., NO.6, 1965, PP.123-131
052012 1965 ** SWIRLFLO
1FORCECONV
- MIGAI;V.K.
"FRICTION AND HEAT TRANSFER IN TWISTED FLOW INSIDE A TUBE"
IZVESTIYA AKADEMII NAUK SSSR. ENERGETIKA I TRANSPORT., NO.5, 1966, PP.143-151
052013 1966 ** SWIRLFLO

1FORCECONV

MIGAI;V.K. UPOROV;A.P.
 "CALCULATION OF HEAT EXCHANGE IN PIPES WITH SPIRAL SHEET
 INTENSIFIERS"
 JOURNAL OF ENGINEERING PHYSICS, VOL.37, NO.6, 1979, PP.1385-
 1388
 052102 1979 ** SWIRLFLO
 1FORCECONV

MIGAY;V.K. GOLUBEV;L.K.
 "THE FRICTION AND HEAT TRANSFER IN TURBULENT SWIRL FLOW
 WITH A VARIABLE SWIRL GENERATOR IN A PIPE"
 HEAT TRANSFER-SOVIET RESEARCH, VOL.2, NO.3, 1970, PP.68-73
 052029 1970 HTSR SWIRLFLO
 1FORCECONV

MORI;Y. NAKAYAMA;W.
 "STUDY ON FORCED CONVECTIVE HEAT TRANSFER IN GROOVED PIPES"
 INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.10,
 1967, PP.681-895
 052016 1967 IJHMT SWIRLFLO
 1FORCECONV

MORI;Y.
 "PERFORMANCE OF HEAT EXCHANGERS ON HTGR APPLICATION"
 AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.80-HT-35,
 1980.
 162065 1980 ASME COILED TUBE
 1FORCECONV SWIRLFLO

MURPHY;R.W. MEGERLIN;F.E.
 "THE AUGMENTATION OF FLOW BOILING HEAT TRANSFER IN TUBES"
 RAYTHEON COMPANY REPORT BR-G518 FOR NAVAL AIR DEVELOPMENT
 STATION, JOHNSVILLE, WARMINSTER, PENNSYLVANIA, JUNE 1971
 042020 1971 ** DISPENSE DEVICE
 1FORCECONV FLOBOIL SWIRLFLO

NAG;P.K. MITRA;T.K.
 "EFFECT OF DECAYING SWIRL ON CONVECTIVE HEAT TRANSFER"
 PROCEEDINGS FIFTH NATIONAL HEAT AND MASS TRANSFER
 CONFERENCE, HYDERBAD, INDIA, FEBRUARY 1980.
 052089 1980 ** SWIRLFLO
 1FORCECONV

NANDAKUMAR;K. MASLIYAH;J.H.
 "STEADY LAMINAR FLOW THROUGH TWISTED PIPES: FLUID FLOW AND
 HEAT TRANSFER IN RECTANGULAR TUBES"
 PAPER PRESENTED AT SECOND WORLD CONGRESS OF CHEMICAL
 ENGINEERING AND WORLD CHEMICAL EXPOSITION, MONTREAL, CANADA,
 OCTOBER, 1981.
 052090 1981 ** SWIRLFLO
 1FORCECONV

NASH;J.M.
 "THE VORTEX COOLER: AUGMENTATION OF ANNULAR HEAT TRANSFER BY
 SWIRLING FLOW"
 PH.D. THESIS, UNIVERSITY OF MISSISSIPPI, 1973
 052040 1973 ** SWIRLFLO
 1FORCECONV

NATH;G. MUTHANNA;M.
 "FLOW AND HEAT TRANSFER IN A STEADY LAMINAR COMPRESSIBLE
 BOUNDARY LAYER SWIRLING FLOW IN A NOZZLE"
 INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL. 21,
 1978, PP.1213-1220.
 052019 1978 IJHMT SWIRLFLO
 1FORCECONV

NAZMEEV;Y.G. NIKOLAEV;N.A.
 "PERFORMANCE OF A HEAT-EXCHANGE TURBULIZER"
 JOURNAL OF ENGINEERING PHYSICS, VOL.36, 1979, PP.431-435
 052068 1979 JEP SWIRLFLO
 1FORCECONV

NAZMEEV;Y.G.
 "INTENSIFICATION OF CONVECTIVE HEAT TRANSFER IN THE LOCAL
 SWIRLING OF A FLOW OF AN ANOMALOUSLY VISCOUS FLUID BY SCREW
 SWIRLERS"
 JOURNAL OF ENGINEERING PHYSICS, VOL.41, 1981, PP.1117-1120
 052093 1981 JEP SWIRLFLO
 1FORCECONV

NAZMEEV;Y.G. NIKOLAEV;N.A.
 "CORRELATION OF EXPERIMENTAL DATA ON HEAT TRANSFER IN TUBES
 WITH TWISTED TAPE TURBULENCE PROMOTERS"
 THERMAL ENGINEERING, VOL.27, 1980, PP.151-152
 052100 1980 TENG SWIRLFLO
 1FORCECONV

NAZMEEV;Y.G.
 "INTENSIFICATION OF CONVECTIVE HEAT EXCHANGE BY RIBBON
 SWIRLERS IN THE FLOW OF ANOMALOUSLY VISCOUS LIQUIDS IN
 PIPES"
 JOURNAL OF ENGINEERING PHYSICS, VOL.37, NO.2, 1979,
 PP.910-913
 052118 1979 JEP SWIRLFLO
 1FORCECONV

NIJAGUNA;B.T. MATHIPRAKASAM;B.
 "HEAT TRANSFER IN AN ANNULUS WITH SPIRAL FLOWS"
 HEAT TRANSFER 1982, VOL.3, HEMISPHERE PUBLISHING
 CORPORATION, WASHINGTON, D.C., 1982, PP.99-104
 052104 1982 VIIHTC SWIRLFLO
 1FORCECONV

NUNGE;R.J. LIN;T.S.
 "LAMINAR FLOW IN STRONGLY CURVED TUBE"
 AMERICAN INSTITUTE OF CHEMICAL ENGINEERS JOURNAL, VOL.19,
 1973, PP.1089-1096
 052046 1973 AICHEJ SWIRLFLO
 1FORCECONV

OULLETTE;W.R. BEJAN;A.
 "CONSERVATION OF AVAILABLE WORK (EXERGY) BY USING PROMOTERS
 OF SWIRL FLOW IN FORCED CONVECTION HEAT TRANSFER"
 ENERGY, VOL.5, 1980, PP.587-596
 052112 1980 ** SWIRLFLO
 1FORCECONV

PAEGLE;S.A. CHAKSH;S.A. GRISLIS;V.Y.
 "INVESTIGATION OF THE EFFECTIVENESS OF THE USE OF HELIX-
 PROFILE TUBES IN HEAT EXCHANGERS"
 FIZIKOENERGETICHESKIY INSTITUT AKADEMIA NAUK LATVIAN SSR,
 NO.2, 1968, PP.75-80
 052021 1968 ** SWIRLFLO
 1FORCECONV

PATUN;R.J. KRUEGER;R.H. STARNER;K.E.
 "FOULING STUDIES AND HEAT TRANSFER TEST STAND REAL TIME
 DATA ACQUISITION SYSTEM"
 FOULING OF HEAT TRANSFER EQUIPMENT, HEMISPHERE
 PUBLISHING CORPORATION, WASHINGTON, 1983, PP.111-131
 052115 1983 ** SWIRLFLO
 1FORCECONV ROUGHSURF

PENNEY;W.R.
 "THE SPIRALATOR-INITIAL TESTS AND CORRELATIONS"
 AMERICAN INSTITUTE OF CHEMICAL ENGINEERS PREPRINT 16 FOR
 THE EIGHTH NATIONAL HEAT TRANSFER CONFERENCE, LOS ANGELES,
 1965
 052039 1965 AICHE SWIRLFLO
 1FORCECONV

POPPENDIEK;H.F. GAMBILL;W.R.
 "HELICAL, FORCED-FLOW HEAT TRANSFER AND FLUID DYNAMICS IN
 SINGLE AND TWO-PHASE SYSTEMS"
 PROCEEDINGS OF THE THIRD INTERNATIONAL CONFERENCE ON THE
 PEACEFUL USES OF ATOMIC ENERGY, UNITED NATIONS, NEW YORK,
 1965, PP.274-282
 000023 1965 ** LITSURVEY
 SWIRLFLO 1FORCECONV FLOBOIL

POPPENDIEK;H.F. GREENE;N.D. SABIN;C.M.
 FEIGENBUTZ;L.V. MOURITZEN;G. MAC DONALD;F.R.
 LIVITT;R.K. CHAMBERS;J.E. SCHWARTZ;D.E.
 CONNELLY;D.J. MORTON;W.A.
 "SUMMARY REPORT ON HIGH ACCELERATION FIELD HEAT TRANSFER
 FOR AUXILIARY SPACE NUCLEAR POWER SYSTEMS"
 GEOSCIENCE LIMITED REPORT 42, JANUARY 1966
 052037 1966 ** SWIRLFLO
 1FORCECONV FLOBOIL

RAO;K.S.

"AUGMENTATION OF HEAT TRANSFER IN THE AXIAL DUCTS OF ELECTRICAL MACHINES WITH TAPE GENERATED SWIRL FLOW"
IEEE TRANSACTIONS ON POWER APPARATUS AND SYSTEMS, VOL. PAS-102, NO.8, 1983, PP.2750-2756
052117 1983 ** SWIRLFLO
1FORCECONV

REPUKHOV;V.M. BOGACHUK-KOZAHUK;K.A.
"EFFECT OF SWIRL ON THE MAIN AIR FLOW ON THE EFFICIENCY OF FILM COOLING IN AXISYMMETRIC AIR FLOW PAST A ROTATING CYLINDER"
HEAT TRANSFER - SOVIET RESEARCH, VOL.9, NO.2, 1977, PP.100-104
142015 1977 HTSR COMPOUNDTECH
1FORCECONV SWIRLFLO MECHAID

ROCHINO;A. LAVAN;Z.
"ANALYTICAL INVESTIGATIONS OF INCOMPRESSIBLE TURBULENT SWIRLING FLOW IN STATIONARY DUCTS"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO. 69-APM-69, 1969
052025 1969 ASME SWIRLFLO
1FORCECONV

ROYDS;R.
"HEAT TRANSMISSION BY RADIATION, CONDUCTION, AND CONVECTION"
FIRST EDITION
CONSTABLE AND COMPANY, LONDON, 1921, PP.191-201
052001 1921 ** SWIRLFLO
1FORCECONV

RUDLOFF;F.A. BLAIR;C.K. HELLSTROM;G.
"EVALUATION OF A HELICAL FLOW RECUPERATOR"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS, PAPER NO. 81-HT-25, 1981.
052091 1981 ASME SWIRLFLO
1FORCECONV

SABIN;C.M. POPPENDIEK;H.F.
"HEAT TRANSFER ENHANCEMENT FOR EVAPORATORS"
PROCEEDINGS FOURTH ANNUAL CONFERENCE ON OCEAN THERMAL ENERGY CONVERSION, NEW ORLEANS, LOUISIANA, MARCH 1977, PP. VI-93 - VI-104
013089 1977 ** TREATSURF
POOLBOIL SWIRLFLO 1FORCECONV ROUGHSURF
DISPENHDEVICE

SCOTT;C.J.
"TURBULENT ANNULAR SWIRL FLOWS"
UNIVERSITY OF MINNESOTA HEAT TRANSFER LABORATORY REPORT NO. HTL TR NO.110, AD-763 916, JULY 1973
052066 1973 ** SWIRLFLO
1FORCECONV

SEBAN;R.A. HUNSBEDT;A.
"FRICTION AND HEAT TRANSFER IN THE SWIRL FLOW OF WATER IN AN ANNULUS"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.16, 1973, PP.303-310
052026 1973 IJHMT SWIRLFLO
1FORCECONV

SEIGEL;I.G.
"THE EFFECT OF TURBULENCE PROMOTERS ON HEAT TRANSFER COEFFICIENTS FOR WATER FLOWING IN HORIZONTAL TUBES"
TRANSACTIONS OF AMERICAN SOCIETY OF HEATING AND VENTILATING ENGINEERS, VOL.52, 1946, PP.197-204. HEATING, PIPING AND AIR CONDITIONING - ASHRAE JOURNAL SECTION, JUNE 1946, PP. 111-114
072122 1946 ** ROUGHSURF
DISPENHDEVICE SWIRLFLO 1FORCECONV

SEYMOUR;E.V.
"A NOTE ON THE IMPROVEMENT IN PERFORMANCE OBTAINABLE FROM FITTING TWISTED-TAPE TURBULENCE-PROMOTERS TO TUBULAR HEAT EXCHANGERS"
TRANSACTIONS OF THE INSTITUTION OF CHEMICAL ENGINEERS, VOL. 41, 1963, PP.159-162
052010 1963 ** SWIRLFLO
1FORCECONV

SHAH;R.K. LONDON;A.L.

"LAMINAR FORCED CONVECTION IN DUCTS"
ADVANCES IN HEAT TRANSFER, ACADEMIC PRESS, NEW YORK, 1978
PP.366-384
000071 1978 ** LITSURVEY
EXTENDED SURF SWIRLFLO 1FORCECONV

SHARMA;B.D. PANESAR;P.S. GOPALKRISHNA;N.
"DEVELOPMENT OF A NEW SWIRL-FLOW HEAT EXCHANGER"
INDIAN CHEM. ENG., VOL.21, NO.2, 1979, PP.26-29
052101 1979 ** SWIRLFLO
1FORCECONV

SHIRALKAR;B. GRIFFITH;P.
"THE EFFECT OF SWIRL, INLET CONDITIONS, FLOW DIRECTION, AND TUBE DIAMETER ON THE HEAT TRANSFER TO FLUIDS AT SUPERCRITICAL PRESSURE"
JOURNAL OF HEAT TRANSFER, VOL.92, 1970, PP.465-474
052022 1970 JHT SWIRLFLO
1FORCECONV

SHNAIDERMAN;M.F. ERSHOV;A.I.
"ON THE EFFECT OF FLOW SWIRL UPON VELOCITY AND TEMPERATURE DISTRIBUTIONS IN AN ANNULAR DUCT"
JOURNAL OF ENGINEERING PHYSICS, VOL.28, 1975, PP.446-450
052057 1975 JEP SWIRLFLO
1FORCECONV

SIEGEL;R. PERLMUTTER;M.
"HEAT TRANSFER IN SWIRLING LAMINAR PIPE FLOW"
JOURNAL OF APPLIED MECHANICS, VOL.25, 1958, PP.295-297
052077 1958 JAM SWIRLFLO
1FORCECONV

SKUPINSKI;E.
"WAERMEUEBERGANG UND DRUCKVERLUST BEI KUENSTLICHER VERWIRBELUNG UND KUENSTLICHEN WANDRAUHGKEITEN"
DR.-ING. DISSERTATION, RHEINISCH-WESTFAELISCHEN TECHNISCHEN HOCHSCHULE, AACHEN, WEST GERMANY, 1961.
052075 1961 ** SWIRLFLO
1FORCECONV

SMITHBERG;E. LANDIS;F.
"FRICTION AND FORCED CONVECTION HEAT TRANSFER CHARACTERISTICS IN TUBES WITH TWISTED TAPE SWIRL GENERATORS"
JOURNAL OF HEAT TRANSFER, VOL.86, 1964, PP.39-49
052011 1964 JHT SWIRLFLO
1FORCECONV

SOMOV;A.M. CHUNAYEV;S.V. NIKOLAYEV;G.I.
ROMANKOV;P.G. MITEV;D.T. RASHKOVSKAYA;N.B.
"HEAT TRANSFER AND KINETICS OF DRYING IN SWIRLED FLUIDIZED BEDS AND IN VARIABLE MAGNETIC FIELDS"
HEAT TRANSFER - SOVIET RESEARCH, VOL.8, NO.6, 1976, PP.81-90
142041 1976 HTSR COMPOUNDTECH
ADDFORGASES SWIRLFLO ELECTROFIELD 1FORCECONV

SUDAREV;A.V. MAEV;V.A. GORYACHEVA;M.V.
"HEAT TRANSFER OF A CONICAL CHANNEL WITH INTERNAL COOLING OF A SWIRLING AIR JET"
JOURNAL OF ENGINEERING PHYSICS, VOL.30, NO.1, 1976, PP.11-18
052049 1976 JEP SWIRLFLO
1FORCECONV

SZABOCS;G.
"DIE UNTERSUCHUNG DER WAERMEUEBERGANGSZAHLE UND DER VERLAUF DES WAERMEAUSTAUSCHES MIT DRALL"
WAERME, VOL.70, NO.4, 1964, PP.130-135
052111 1964 ** SWIRLFLO
1FORCECONV

TANGRI;N.N. JAYARAMAN;R.
"HEAT TRANSFER STUDIES ON A SPIRAL PLATE HEAT EXCHANGER"
TRANSACTIONS OF THE INSTITUTION OF CHEMICAL ENGINEERS, VOL.40, 1962, PP.161-168
052050 1962 ** SWIRLFLO
1FORCECONV

THOMAS;D.G. HAYES;P.H.
"HIGH PERFORMANCE HEAT TRANSFER SURFACES"
INDUSTRIAL AND ENGINEERING CHEMISTRY, VOL.62, NO.2, 1970,

PP.4-9
035017 1970 IEC EXTENDED SURF
SWIRLFLO ROUGHSURF CONDENSATION 1FORCECONV

THORSEN;R.S. LANDIS;F.
"FRICTION AND HEAT TRANSFER CHARACTERISTICS IN TURBULENT
SWIRL FLOW SUBJECTED TO LARGE TRANSVERSE TEMPERATURE
GRADIENTS"
JOURNAL OF HEAT TRANSFER, VOL.90, 1968, PP.87-98
052081 1968 JHT SWIRLFLO
1FORCECONV

TRIFUNOVIC;R.
"REIBUNGSWIDERSTAND UND WÄRMEEBERTRAGUNG IN
ROTIERENDEN ROHRSTROMUNGEN"
FORSCHUNG IM INGENIEURWESEN, VOL.47, NO.1, 1981, PP.15-25
052108 1981 ** SWIRLFLO
1FORCECONV

VAN ROOYEN;R.S. KROEGER;D.G.
"LAMINAR FLOW HEAT TRANSFER IN INTERNALLY FINNED TUBES WITH
TWISTED-TAPE INSERTS"
HEAT TRANSFER 1978, VOL.2, HEMISPHERE PUBLISHING
CORPORATION, 1978, PP.577-581
142006 1978 VIIHTC COMPOUNDTECH
1FORCECONV SWIRLFLO EXTENDED SURF

VILIAMASI;Y.V. NYAMIRA;M.A.
"HEAT TRANSFER BETWEEN A TWISTED ROD AND A LONGITUDINAL AIR
STREAM"
INTERNATIONAL CHEMICAL ENGINEERING, VOL.15, NO.3, 1975, PP.
540-545
052067 1975 ICE SWIRLFLO
1FORCECONV

VOLCHKOV;E.P. SPOTAR;S.Y. TEREKHOV;V.I.
"TURBULENT HEAT AND MASS TRANSFER AT THE STARTING TUBE
LENGTH UNDER SWIRLED FLOW CONDITIONS"
ABSTRACT FROM THE SIXTH ALL-UNION HEAT AND MASS TRANSFER
CONFERENCE, MINSK, USSR, 1980, P. 9.
052086 1980 ** SWIRLFLO
1FORCECONV

WHITHAM;J.M.

"THE EFFECT OF RETARDERS IN FIRE TUBES OF STEAM BOILERS"
STREET RAILWAY JOURNAL, VOL.12, NO.6, 1896, P.374
052078 1896 ** SWIRLFLO
1FORCECONV

YAMADA;Y. AKAI;M. MORI;Y.
"SHELL AND TUBE-SIDE HEAT TRANSFER AUGMENTATION BY THE
USE OF WALL RADIATION IN A CROSS-FLOW SHELL-AND-TUBE
HEAT EXCHANGER"
ASME-JSME THERMAL ENGINEERING JOINT CONFERENCE PROCEEDINGS,
HONOLULU, HAWAII, MARCH 1983, VOL.1, PP.413-420
052113 1983 ** SWIRLFLO
1FORCECONV DISPENSE DEVICE

YOUNG;C.N. BARNETT;P.G.
"AN ASSESSMENT OF HEAT CONDUCTION EFFECTS ON THE HEAT
TRANSFER PERFORMANCE OF A TWELVE START HELICALLY RIBBED
SURFACE"
PROCEEDINGS INTERNATIONAL MEETING ON REACTOR HEAT TRANSFER,
GESELLSCHAFT FÜR KERNFORSCHUNG, KARLSRUHE, 1973, PP.63-86
052048 1973 ** SWIRLFLO
1FORCECONV

ZAHERZADEH;N.H. JAGADISH;B.S.
"HEAT TRANSFER IN DECAYING SWIRL FLOWS"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.18, 1975,
PP.941-944
052054 1975 IJHMT SWIRLFLO
1FORCECONV

ZOZULJA;N.V. SHKURATOV;Y.Y.
"INFLUENCE OF SPIRAL INTERNAL DEVICES ON HEAT TRANSFER IN
FLOWING OF VISCOUS LIQUID IN TUBES"
SBOENIK AKADEMII NAUK SSSR, TEPIOFISIKA I TEPIOTEHNIIKA, 1964
052044 1964 ** SWIRLFLO
1FORCECONV

ZOZULYA;N.V. SHKURATOV;I.Y.
"EFFECTS OF THE LENGTH OF A TWISTED-TAPE TURBULENCE PROMOTER
AND ITS INITIAL TWISTING PITCH ON AUGMENTING OF HEAT
TRANSFER INSIDE A TUBE"
HEAT TRANSFER - SOVIET RESEARCH, VOL.6, NO.6, 1974, PP.98-10
052063 1974 HTSR SWIRLFLO
1FORCECONV

SWIRL FLOW DEVICES -- FLOW BOILING

- ADORNI;N. GASPARI;G.P. GERMANI;G.
PETERLONGO;G. RAVETTA;R. ZAVATTARELLI;R.
"HEAT TRANSFER CRISIS WITH STEAM-WATER MIXTURES IN COMPLEX
GEOMETRIES: EXPERIMENTAL DATA IN ANNULI AND CLUSTERS"
CENTRO INFORMAZIONI STUDI ESPERIENZE REPORT R123, 1964
054016 1964 ** SWIRLFLO
FLOBOIL
- AGARWAL;K.N. VARMA;H.K. LAL;S.
"BOILING OF R-12 UNDER SWIRL FLOW"
PROCEEDINGS FIFTH NATIONAL HEAT AND MASS TRANSFER
CONFERENCE, HYDERABAD, INDIA, FEBRUARY 1980, PP.101-106
054063 1980 ** SWIRLFLO
FLOBOIL
- AGRAWAL;K.N. VARMA;H.K. LAL;S.
"PRESSURE DROP DURING FORCED CONVECTION BOILING OF R-12
UNDER SWIRL FLOW"
JOURNAL OF HEAT TRANSFER, VOL.104, 1982, PP.758-762
054073 1982 JHT SWIRLFLO
FLOBOIL
- ANONYMOUS
"NOW IN DESIGN: A 200 + KW MICROWAVE TUBE"
ELECTRONIC DESIGN, DECEMBER 1959, PP.3-9
054003 1959 ** SWIRLFLO
FLOBOIL
- ANONYMOUS
"SWIRL FLOWS AND CRITICAL FLUXES IN BOILING WATER AT 70 BARS"
EUROPEAN ATOMIC ENERGY COMMISSION REPORT EURAEC-900, 1963
054010 1963 ** SWIRLFLO
FLOBOIL
- ANONYMOUS
"HIGH-PERFORMANCE NUCLEAR REACTOR"
MECHANICAL ENGINEERING, VOL.89, NO.10, 1967, P.64
054031 1967 ME SWIRLFLO
FLOBOIL
- BARULIN;Y.D. KON'KOV;A.S. LEONT'YEV;A.I.
TARASOVA;N.V. BLAGOVESTOVA;T.I. MIKHAN;V.N.
FILIPOV;V.N.
"EXPERIMENTAL STUDY OF HEAT TRANSFER ENHANCEMENT AND OF
PRESSURE DROP IN A MODEL OF A BOILING-WATER REACTOR FUEL
ASSEMBLY"
HEAT TRANSFER - SOVIET RESEARCH, VOL.12, NO.6, 1980, PP.
110-119
054067 1980 HTSR SWIRLFLO
FLOBOIL
- BECHTEL;G. RUTH;H. HOECHEL;J.
"FABRICATION OF A BWR ELEMENT WITH TWISTED TAPES BETWEEN THE
FUEL RODS FOR THE KAHL EXPERIMENTAL NUCLEAR POWER PLANTS"
KERNTECHNIK, VOL.9, 1967, PP.293-296
054058 1967 ** SWIRLFLO
FLOBOIL
- BERENSON;P.J.
"FORCED-CONVECTION VAPORIZATION OF POTASSIUM IN A SINGLE
TUBE"
AEROSPACE PROPELLSION LABORATORY REPORT APL-TDR-64-115,
NOVEMBER 1964
054015 1964 ** SWIRLFLO
FLOBOIL
- BERGLES;A.E. FULLER;W.D. HYNEK;S.J.
"INFLUENCE OF SWIRL FLOW ON HEAT TRANSFER TO NITROGEN IN
DISPERSED FLOW FILM BOILING"
CRYOGENIC ENGINEERING CONFERENCE, PREPRINT J-1, BOULDER,
COLORADO, JUNE 1970, ADVANCES IN CRYOGENIC ENGINEERING,
VOL.16, 1971, PP.426-434
054039 1970 ** SWIRLFLO
FLOBOIL
- BERGLES;A.E. FULLER;W.D. HYNEK;S.J.
"DISPERSED FLOW FILM BOILING OF NITROGEN WITH SWIRL FLOW"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.14,
1971, PP.1343-1354
054040 1971 IJHMT SWIRLFLO
FLOBOIL
- BERNSTEIN;E. PETREK;J.P. ROSE;G.J.
HORAN;J.J.
"EXPERIMENTAL RESULTS OF FORCED CONVECTION BOILING POTASSIUM
HEAT TRANSFER AND PRESSURE DROP TESTS"
PRATT AND WHITNEY AIRCRAFT CORPORATION REPORT 429, JULY 1964
054013 1964 ** SWIRLFLO
FLOBOIL
NHC
- BLATT;T.A. ADT JR.;R.R.
"THE EFFECTS OF TWISTED TAPE SWIRL GENERATORS ON THE HEAT
TRANSFER RATE AND PRESSURE DROP OF BOILING FREON 11 AND
WATER"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.
63-WA-42, 1963
054009 1963 ASME SWIRLFLO
FLOBOIL
- BOND;J.A. CONVERSE;G.L.
"VAPORIZATION OF HIGH TEMPERATURE POTASSIUM IN FORCED
CONVECTION AT TEMPERATURES FROM 1800 F TO 2100 F"
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION TOPICAL REPORT
R66SD3016, 1966
054038 1966 NASA SWIRLFLO
ROUGH SURF DISPERSED DEVICE FLOBOIL
- BREVI;R.
"FORCED CONVECTION HEAT TRANSFER AND BURN-OUT MEASUREMENTS
WITH TWISTED TAPES"
TERMOTECNICA, VOL.25, 1971, PP.619-625
052042 1971 ** SWIRLFLO
1FORCECONV FLOBOIL
- BREVI;R. CUMIC;M. PALMIERI;A.
PITIMADA;D.
"FORCED CONVECTION HEAT TRANSFER AND BURNOUT MEASUREMENTS
WITH TWISTED TAPES"
COMITATO NATIONALE ENERGIA NUCLEARE RT/ING(71)9, 1971
054057 1971 ** SWIRLFLO
FLOBOIL
- BURKE;J.C. RAWDON;A.H.
"AN EXPERIMENTAL STUDY OF HEAT TRANSFER TO TWO-PHASE FILM-
BOILING NITROGEN"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.
65-HT-37, 1965
054018 1965 ASME SWIRLFLO
FLOBOIL
- CHERNOBAY;V.A. VASIL'YEV;A.F. PERKOV;S.V.
SHPAKOVSKIY;V.A. FURAYEV;V.S.
"PRESSURE DROP IN BOILING ANNULI WITH TURBULENCE PROMOTERS"
HEAT TRANSFER-SOVIET RESEARCH, VOL.12, NO.1, 1980,
PP.113-117.
054049 1980 HTSR SWIRLFLO
FLOBOIL
- CHOJNOWSKI;B. WHITCUTT;R.D.B.
"CORROSION FAILURE: ONE CAUSE AND A CURE IN AN OPERATIONAL
BOILER"
COMBUSTION, NOVEMBER 1976, PP.28-33
024020 1976 ** ROUGH SURF
SWIRLFLO FLOBOIL
- CUMIC;M. FARELLO;G.E. FERRARI;G.
PALAZZI;G.
"THE INFLUENCE OF TWISTED TAPES IN SUBCRITICAL, ONCE-THROUGH
VAPOR GENERATORS IN COUNTER FLOW"
JOURNAL OF HEAT TRANSFER, VOL.96, 1974, PP.365-370
054060 1974 JHT SWIRLFLO
FLOBOIL
- DRIZIAS;M.-R.M. SKEMA;R. SLANCIUSKAS;A.
"BOILING CRISIS IN SWIRLED FLOW OF WATER IN PIPES"
HEAT TRANSFER-SOVIET RESEARCH, VOL.10, NO.4, 1970, PP.1-7.
054025 1978 HTSR SWIRLFLO
FLOBOIL
- DUNN;J.R. VAFAT;F.N.
"FORCED CONVECTION HEAT TRANSFER FOR TWO-PHASE HELICAL FLOW
IN A SOLAR RECEIVER"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.

81-WA/HT-13, 1981							
054069	1981	ASME	SWIRLFLO	1958			
FLOBOIL	1FORCECONV			054028	1958	AIChE	SWIRLFLO
				FLOBOIL			
FEDOTKIN;I.M.	TKACHENKO;S.I.	STEPCHUK;I.D.		GINWALA;K.	BLATT;T.	BILGER;R.W.	
BOTIN;A.N.	GLOBAL;V.Z.			"ENGINEERING STUDY OF VAPOR CYCLE COOLING COMPONENTS FOR SPACE VEHICLES"			
"INVESTIGATION OF METHODS FOR PREVENTING THE DEVELOPMENT OF CRITICAL PHENOMENA IN A VERTICAL CIRCULATION LOOP AT ATMOSPHERIC PRESSURE AND UNDER VACUUM"				AERONAUTICAL SYSTEMS DIVISION REPORT ASD-TDR-63-582,			
HEAT TRANSFER - SOVIET RESEARCH, VOL.7, NO.1, 1975, PP.12-15				SEPTEMBER 1963			
054035	1975	HTSR	SWIRLFLO	054048	1963	**	SWIRLFLO
FLOBOIL				FLOBOIL			
FEINSTEIN;L.	LUNDBERG;R.E.			GOLDMANN;K.			
"FLUID FRICTION AND BOILING HEAT TRANSFER WITH WATER IN VORTEX FLOW IN TUBES CONTAINING AN INTERNAL TWISTED TAPE"				"IMPROVED HEAT TRANSFER BY APPLICATION OF CENTRIFUGAL FORCES"			
ROME AIR DEVELOPMENT CENTER REPORT RADC-TDR-63-451, JUNE 1963				NUCLEAR DEVELOPMENT ASSOCIATES REPORT NDA 2-79, JUNE 1958			
054008	1963	**	SWIRLFLO	054001	1958	**	SWIRLFLO
FLOBOIL				FLOBOIL			
FISHER;C.R.	MUSKOWITZ;J.G.	CLARK;L.T.		HASSID;A.	MANZONI;G.C.	RAVETTA;R.	
"SWIRL FLOW BOILING OF ALKALI METALS HEAT TRANSFER AND PRESSURE DROP"				"HEAT TRANSFER CRISIS WITH STEAM-WATER MIXTURES: AN EXPERIMENTAL STUDY ON THE INCREASE OF CRITICAL POWER WITH LOCAL SWIRL PROMOTERS IN ROUND TUBES"			
AEROJET GENERAL NUCLEAR REPORT AGN-8127, JANUARY 1965				ENERGIA NUCLEARE, VOL.13, NO.11, 1966, PP.589-640			
054020	1965	**	SWIRLFLO	054030	1966	**	SWIRLFLO
FLOBOIL				FLOBOIL			
FOURE;C.	MOUSSEZ;C.	EIDELMAN;D.		HERBERT;L.S.	STERN;U.J.		
"TECHNIQUES FOR VORTEX TYPE TWO-PHASE FLOW IN WATER REACTORS"				"AN EXPERIMENTAL INVESTIGATION OF HEAT TRANSFER TO WATER IN FILM FLOW: PART II, BOILING RUNS WITH AND WITHOUT INDUCED SWIRL"			
PROCEEDINGS OF THE THIRD INTERNATIONAL CONFERENCE ON THE PEACEFUL USES OF ATOMIC ENERGY, UNITED NATIONS, NEW YORK, 1965, PP.255-261				CANADIAN JOURNAL OF CHEMICAL ENGINEERING, VOL.46, 1968, PP.408-412			
054021	1965	**	SWIRLFLO	054033	1968	**	SWIRLFLO
FLOBOIL				FLOBOIL			
GAMBILL;W.R.	BUNDY;R.D.			HOFFMAN;H.W.	KEYES JR.;J.J.		
"AN EVALUATION OF THE PRESENT STATUS OF SWIRL FLOW HEAT TRANSFER"				"STUDIES IN HEAT TRANSFER AND FLUID MECHANICS PROGRESS REPORT FOR PERIOD OCTOBER 1, 1963-JUNE 30, 1964"			
OAK RIDGE NATIONAL LABORATORY REPORT ORNL 61-461, 1961.				OAK RIDGE NATIONAL LABORATORY REPORT ORNL-TM-1148, AUGUST 1965			
AMERICAN SOCIETY OF MECHANICAL ENGINEERS, PAPER NO.62-HT-42, 1962				054043	1965	ORNL	SWIRLFLO
000020	1961	1962	ORNL	FLOBOIL			
ASME	LITSURVEY	SWIRLFLO	1FORCECONV				
FLOBOIL				HOFFMAN;H.W.	KEYES JR.;J.J.		
GAMBILL;W.R.	BUNDY;R.D.	WANSBROUGH;R.W.		"STUDIES IN HEAT TRANSFER AND FLUID MECHANICS PROGRESS REPORT FOR PERIOD JANUARY 1- SEPTEMBER 30, 1963"			
"HEAT TRANSFER, BURNOUT, AND PRESSURE DROP FOR WATER IN SWIRL FLOW TUBES WITH INTERNAL TWISTED TAPES"				OAK RIDGE NATIONAL LABORATORY REPORT ORNL-TM-915, OCTOBER 1964			
CHEMICAL ENGINEERING PROGRESS SYMPOSIUM SERIES, VOL.57, NO.32, 1961, PP.127-137				054051	1964	ORNL	SWIRLFLO
052006	1961	CEPSS	SWIRLFLO	FLOBOIL	1FORCECONV		
1FORCECONV	FLOBOIL						
GAMBILL;W.R.	BUNDY;R.D.			HUNSBEDT;A.	ROBERTS;J.M.		
"HIGH-FLUX HEAT TRANSFER CHARACTERISTICS OF PURE ETHYLENE GLYCOL IN AXIAL SWIRL FLOW"				"THERMAL-HYDRAULIC PERFORMANCE OF A 2MWT SODIUM-HEATED, FORCED RECIRCULATION STEAM GENERATOR MODEL"			
AMERICAN INSTITUTE OF CHEMICAL ENGINEERS JOURNAL, VOL.9, 1963, PP.55-59				JOURNAL OF ENGINEERING FOR POWER, VOL. 96, 1974, PP.66-76			
052009	1963	AIChEJ	SWIRLFLO	054017	1973	ASME	SWIRLFLO
1FORCECONV	FLOBOIL			FLOBOIL			
GAMBILL;W.R.	GREENE;N.D.			HUNSBEDT;A.			
"BOILING BURNOUT WITH WATER IN VORTEX FLOW"				"SODIUM-HEATED STEAM GENERATOR MODEL TESTS AT SGTR, VOLUME 2: THERMAL-HYDRAULIC PERFORMANCE DATA AND ANALYSIS"			
CHEMICAL ENGINEERING PROGRESS, VOL.54, NO.10, 1958, PP.68-76				GEAP-10580-2, JUNE 1972			
054002	1958	CEP	SWIRLFLO	054034	1972	GEAP	SWIRLFLO
FLOBOIL				FLOBOIL			
GAMBILL;W.R.				HYNEK;S.J.	ROHSENOW;W.M.	BERGLES;A.E.	
"SUBCOOLED SWIRL-FLOW BOILING AND BURNOUT WITH ELECTRICALLY HEATED TWISTED TAPES AND ZERO WALL HEAT FLUX"				"FORCED-CONVECTION, DISPERSED FLOW FILM BOILING"			
OAK RIDGE NATIONAL LABORATORY REPORT ORNL-TM-694, JUNE 1964.				MASSACHUSETTS INSTITUTE OF TECHNOLOGY ENGINEERING PROJECTS LABORATORY REPORT 70586-63, 1969			
JOURNAL OF HEAT TRANSFER, VOL.87, 1965, PP.342-348				054037	1969	MIT	SWIRLFLO
054022	1964	1965	ORNL	FLOBOIL			
JHT	SWIRLFLO	FLOBOIL					
GAMBILL;W.R.	GREENE;N.D.			IWABUCHI;M.	TATEIWA;M.	HANEDA;H.	
"A PRELIMINARY STUDY OF BOILING BURNOUT HEAT FLUXES FOR WATER IN VORTEX FLOW"				"HEAT TRANSFER CHARACTERISTICS OF RIFLED TUBES IN THE NEAR CRITICAL PRESSURE REGION"			
AMERICAN INSTITUTE OF CHEMICAL ENGINEERS, PREPRINT 29 FOR SECOND NATIONAL HEAT TRANSFER CONFERENCE, CHICAGO, ILLINOIS,				HEAT TRANSFER 1982, VOL.5, HEMISPHERE PUBLISHING COMPANY, WASHINGTON, D.C., 1982, PP.313-318			
				054072	1982	VIIHTC	SWIRLFLO
				FLOBOIL			
				KIM;J.	DAVIS;R.C.	GAMBILL;W.R.	

- HASELTON;H.H.
"A HEAT TRANSFER STUDY OF WATER-COOLED SWIRL TUBES FOR NEUTRAL BEAM TARGETS"
SEVENTH INTERNATIONAL SYMPOSIUM ON ENGINEERING PROBLEMS IN FUSION RESEARCH, KNOXVILLE, TENNESSEE, OCTOBER 1977
054068 1977 ** SWIRLFLO
FLOBOIL
- KOVALEV;E.M. KOSTENKO;Z.F. KUZ'MIN;I.G.
"HEAT EXCHANGE AND HYDRAULIC RESISTANCE IN HEATING CHAMBERS WITH SPIRALLY WIRE-WOUND INSERTS IN EVAPORATION APPARATUS"
CHEMICAL AND PETROLEUM ENGINEERING, VOL.17, 1980, NO.1-2, PP.22-25
054050 1981 CPE SWIRLFLO
FLOBOIL
- KUZ'MIN;I.G. KOVALEV;E.M.
"INTENSIFYING THE OPERATION OF AN INDUSTRIAL EVAPORATION UNIT"
CHEMICAL AND PETROLEUM ENGINEERING, VOL.18, NOS.1-2, 1982, PP.61-62
054074 1982 CPE SWIRLFLO
FLOBOIL
- LABUNTSOV;D.A. SOZ'YEV;R.I.
"THE BOILING CRISIS IN MASS FORCE FIELD"
HEAT TRANSFER-SOVIET RESEARCH, VOL.10, NO.4, 1978, PP.103-107.
054056 1978 HTSR SWIRLFLO
FLOBOIL
- LOPINA;R.F. BERGLES;A.E.
"HEAT TRANSFER AND PRESSURE DROP IN TAPE GENERATED SWIRL FLOW"
MASSACHUSETTS INSTITUTE OF TECHNOLOGY ENGINEERING PROJECTS LABORATORY REPORT NO.70281-47, 1967
052017 1967 MIT SWIRLFLO
1FCRCECNV FLOBOIL
- LOPINA;R.F. BERGLES;A.E.
"SUBCOOLED BOILING OF WATER IN TAPE-GENERATED SWIRL FLOW"
JOURNAL OF HEAT TRANSFER, VOL.95, 1973, PP.281-283
054070 1973 JHT SWIRLFLO
FLOBOIL
- MATZNER;B.
"CRITICAL HEAT FLUX IN LONG TUBES AT 1000 PSIA WITH AND WITHOUT SWIRL PROMOTERS"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO. 65-WA/HT-30, 1965
054019 1965 ASME SWIRLFLO
FLOBOIL
- MAYINGER;F. SCHAD;O. WEISS;E.
"UNTERSUCHUNGEN DER KRITISCHEN HEIZFLAECHEBELASTUNG BEI SIEDENDEM WASSER"
MASCHINENFABRIK AUGSBURG-NUERNBERG FINAL REPORT NO.09.03.01, MAY 1966
054026 1966 ** SWIRLFLO
FLOBOIL
- MEGERLIN;F.E. MURPHY;R.W. BERGLES;A.E.
"AUGMENTATION OF HEAT TRANSFER IN TUBES BY MEANS OF MESH AND BRUSH INSERTS"
JOURNAL OF HEAT TRANSFER, VOL.96, 1974, PP.145-151
042005 1974 JHT DISPENHDEVICE
SWIRLFLO 1FORCECNV FLOBOIL
- MOECK;E.O. WIKHAMMER;G.H. MAC DONALD;I.P.L.
COLLIER;J.G.
"TWO METHODS OF IMPROVING THE DRY-OUT HEAT FLUX FOR HIGH PRESSURE STEAM/WATER FLOW"
ATOMIC ENERGY OF CANADA LIMITED REPORT AECL-2109, DECEMBER 1964
054044 1964 ** SWIRLFLO
DISPENHDEVICE FLOBOIL
- MURPHY;R.W. MEGERLIN;F.E.
"THE AUGMENTATION OF FLOW BOILING HEAT TRANSFER IN TUBES"
RAYTHEON COMPANY REPORT BR-G518 FOR NAVAL AIR DEVELOPMENT STATION, JOHNSVILLE, WARMINSTER, PENNSYLVANIA, JUNE 1971
042020 1971 ** DISPENHDEVICE
1FORCECNV FLOBOIL SWIRLFLO
- NOORUDIN;A.F. MURTI;P.S.
"HEAT TRANSFER TO GAS-LIQUID MIXTURES IN A VERTICAL TUBE FITTED WITH TWISTED-TAPES"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.16, 1973, PP.1655-1657
054014 1973 IJHMT SWIRLFLO
FLOBOIL
- OI-LARS;R.
"OEVERHETTING OCH INSTABILITET I SPIRALROER VID NEDAT GAENDE STROEMING"
ATOMENERGI AKTIEBOLAGET REPORT R 2-1186, FEBRUARY 1970
054045 1970 ** SWIRLFLO
FLOBOIL
- ORNATSKII;A.P. CHERNOBAY;V.A. VASILYEV;A.F.
FURAEV;V.S.
"HEAT TRANSFER CRISIS INVESTIGATION IN ANNULAR CHANNELS WITH VORTEX GENERATORS WITH UNIFORM AND NON-UNIFORM HEAT FLUX DISTRIBUTIONS ALONG THE LENGTH"
TEPLOFIZIKA I TEPLOTEKHNIKA, VOL.34, 1978
054071 1978 ** SWIRLFLO
FLOBOIL
- ORNATSKIY;A.P. CHERNOBAY;V.A. VASILYEV;A.F.
PERKOV;S.F.
"CRITICAL HEAT FLUXES IN ANNULI WITH SWIRL"
HEAT TRANSFER - SOVIET RESEARCH, VOL.7, NO.2, 1975, PP.6-9
054054 1975 HTSR SWIRLFLO
FLOBOIL
- ORNATSKIY;A.P. FURAYEV;V.S. CHERNOBAY;V.A.
VASIL'YEV;A.F. PERKOV;S.V.
"INCREASE IN THE CRITICAL HEAT FLUX DENSITY IN ANNULI HEATED FROM BOTH SIDES"
HEAT TRANSFER - SOVIET RESEARCH, VOL.11, NO.1, 1979, PP.24-29
024048 1979 HTSR ROUGHSURF
SWIRLFLO FLOBOIL
- ORNATSKIY;V.A. CHERNABAY;A.F. VASIL'YEV;A.F.
FURAYEV;V.S.
"BOILING CRISIS IN HEATED ANNULI WITH TURBULENCE PROMOTERS IN CASES OF LENGTHWISE-UNIFORM AND NON-UNIFORM HEAT RELEASE"
HEAT TRANSFER-SOVIET RESEARCH, VOL.11, NO.1, 1979, PP.119-125.
054047 1979 HTSR SWIRLFLO
ROUGHSURF FLOBOIL
- OSIPENKO;Y.I.
"HEAT AND MASS TRANSFER IN A CYLINDRICAL TUBE WITH SECONDARY SWIRLING OF ONE- AND TWO-PHASE LIQUID-GAS FLOWS"
HEAT TRANSFER - SOVIET RESEARCH, VOL.8, NO.1, 1976, PP.60-69
052051 1976 HTSR SWIRLFLO
1FORCECNV MASSTRAN FLOBOIL
- PAI;R.H. PASINT;D.
"RESEARCH AT FOSTER WHEELER ADVANCES ONCE-THROUGH BOILER DESIGN"
ELECTRIC LIGHT AND POWER, JANUARY 1965, PP.66-70
054023 1965 ** SWIRLFLO
FLOBOIL
- PEREPELITSA;N.I. POMET'KO;R.S. SAPANKEVICH;A.P.
"BURNOUT AND INTENSIFICATION OF HEAT REMOVAL IN A FOUR-ROD BUNDLE WITH FLOWS OF WATER AND FREON-12"
THERMAL ENGINEERING, VOL.26, 1979, PP.42-44
054055 1979 TENG SWIRLFLO
FLOBOIL
- PEREPELITSA;N.I. SAPANKEVICH;A.P. SERDUN;N.P.
"CHECKING THE PRINCIPLES OF MODELLING ROD BUNDLES WHEN INVESTIGATING BURNOUT AND INTENSIFICATION OF HEAT REMOVAL"
THERMAL ENGINEERING, VOL.25, NO.9, 1978, PP.59-61
054061 1978 TENG SWIRLFLO
FLOBOIL

PETERLONGO;G. RAVETTA;R. RIVA;B.
 RUBIERA;L. TACCONI;F.A.
 "LARGE SCALE EXPERIMENT ON HEAT TRANSFER AND HYDRODYNAMICS
 WITH STEAM-WATER MIXTURES: FURTHER CRITICAL POWER AND
 PRESSURE DROP MEASUREMENTS IN ROUND VERTICAL TUBES WITH
 AND WITHOUT INTERNAL OBSTACLES"
 CENTRO INFORMAZIONI STUDI ESPERIENZE REPORT R1222, 1964
 054012 1964 CISE SWIRLFLO
 FLOBOIL

PETERSON;J.R.
 "HIGH PERFORMANCE "ONCE-THROUGH" BOILING OF POTASSIUM IN
 SINGLE TUBES AT VAPOR TEMPERATURES FROM 1500-1750 DEGREE F"
 NATIONAL AERONAUTICS AND SPACE ADMINISTRATION TOPICAL
 REPORT R66 SD3020, 1966
 054052 1966 NASA SWIRLFLO
 FLOBOIL

PETERSON;J.R.
 "EFFECT OF SWIRL FLOW UPON THE PERFORMANCE OF MONOTUBE
 STEAM GENERATORS"
 SOCIETY OF AUTOMOTIVE ENGINEERS PAPER NO.700116, 1970
 054064 1970 SAE SWIRLFLO
 FLOBOIL

POPPENDIEK;H.F. GAMBILL;W.R.
 "HELICAL, FORCED-FLOW HEAT TRANSFER AND FLUID DYNAMICS IN
 SINGLE AND TWO-PHASE SYSTEMS"
 PROCEEDINGS OF THE THIRD INTERNATIONAL CONFERENCE ON THE
 PEACEFUL USES OF ATOMIC ENERGY, UNITED NATIONS, NEW YORK,
 1965, PP.274-282
 000023 1965 ** LITSURVEY
 SWIRLFLO 1FORCECONV FLOBOIL

POPPENDIEK;H.F. GREENE;N.D. SABIN;C.M.
 FEIGENBUTZ;L.V. MOURITZEN;G. MAC DONALD;F.R.
 LIVITT;R.K. CHAMBERS;J.E. SCHWARTZ;D.E.
 CONNELLY;D.J. MORTON;W.A.
 "SUMMARY REPORT ON HIGH ACCELERATION FIELD HEAT TRANSFER
 FOR AUXILIARY SPACE NUCLEAR POWER SYSTEMS"
 GEOSCIENCE LIMITED REPORT 42, JANUARY 1966
 052037 1966 ** SWIRLFLO
 1FORCECONV FLOBOIL

ROBERTS;J.M.
 "STEAM GENERATOR DEVELOPMENT"
 GENERAL ELECTRIC REPORT NO.NEDC-13689, JANUARY 1971
 054032 1971 GE SWIRLFLO
 FLOBOIL

ROSENBERG;R.
 "WAERMEUEBERGANG BEI DRALLSTROMUNG IM ROHR"
 DR.-ING. DISSERTATION, TECHNISCHE HOCHSCHULE MUENCHEN, 1969
 054036 1969 ** SWIRLFLO
 FLOBOIL

ROSIUFI;A. ROUVILLOIS;X.
 "TWISTED TAPES FOR INCREASED POWER DENSITY"
 NUCLEAR ENGINEERING, NO.1, 1968, PP.43-45
 054059 1968 ** SWIRLFLO
 FLOBOIL

ROUSEL;A. SOURIOUX;G. DOLLE;J.
 TOURNIER;G. BEGHIN;A.
 "ECOULEMENTS GIRATOIRES DANS L'EAU BOUILLANTE"
 SOCIETE NATIONAL D'ETUDE ET DE CONSTRUCTION DE MOTEURS
 D'AVIATION FINAL REPORT NO.26, AUGUST 1966
 054029 1966 ** SWIRLFLO
 FLOBOIL

RYABOV;A.N. KAMEN'SHCHIKOV;F.T. FILIPOV;V.N.
 CHALYKH;A.F. YUGAY;T. STOLYAROV;Y.V.
 BLAGOVESTOVA;T.I. MANDRAZHITSKIY;V.M. YEMEL'YANOV;A.I.
 "BOILING CRISIS AND PRESSURE DROP IN ROD BUNDLES WITH HEAT
 TRANSFER ENHANCEMENT DEVICES"
 HEAT TRANSFER - SOVIET RESEARCH, VOL.9, NO.1, 1977, PP.
 112-122
 054066 1977 HTSR SWIRLFLO
 FLOBOIL DISPENHDEVICE

SEPHTON;H.H.
 "HEAT TRANSFER ENHANCEMENT BY VORTEX SWIRL-FLOW"
 DESALINATION PLANTS, U.S. DEPT. OF INTERIOR, OFFICE OF
 SALINE WATER, WASHINGTON D.C., JULY 1970.
 WATER, WASHINGTON, D.C., JULY 1978
 054004 1970 ** SWIRLFLO
 FLOBOIL

SEPHTON;H.H.
 "INTERFACE ENHANCEMENT FOR VERTICAL TUBE EVAPORATORS: A
 NOVEL WAY OF SUBSTANTIALLY AUGMENTING HEAT AND MASS
 TRANSFER"
 AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.
 71-HT-38, 1971
 054042 1966 ASME SWIRLFLO
 FLOBOIL ADDFORLIQUIDS

SEVASTIANOV;R.I. ZAHAROV;Y.V. ALADYEV;I.T.
 "INFLUENCE OF TUBE LENGTH, HEAT FLUX DISTRIBUTION, AND
 VORTEX DEVICES OF TYPE SCHNEK-SWIRL TAPE ON CRITICAL HEAT
 FLUXES IN TUBES"
 AKADEMIYA NAUK SSR IZVESTIA CTN ENERGETIKA I TRANSPORT, NO.
 1, 1965, PP.129-134
 054024 1965 ** SWIRLFLO
 FLOBOIL

SUBBOTIN;V.I. KAZNOVSKIY;S.P. SAPANKEVICH;A.P.
 "AN EXPERIMENTAL STUDY OF METHODS FOR AUGMENTING THE
 CRITICAL CAPACITY OF STEAM-GENERATING TUBES"
 HEAT TRANSFER - SOVIET RESEARCH, VOL.7, NO.5, 1975, PP.85-95
 054011 1975 HTSR SWIRLFLO
 FLOBOIL ROUGHSURF EXTENDED SURF COILED TUBE

SUESSMANN;W. RINGER;D.U.
 "STEAM-HEATED WATER BATH EVAPORATORS FOR LIQUEFIED GASES"
 PRESENTED AT THE ADVANCEMENT IN HEAT EXCHANGERS SEMINAR,
 DUBROVNIK, YUGOSLAVIA, SEPTEMBER 7-12, 1981
 024042 1981 ** ROUGHSURF
 FLOBOIL SWIRLFLO

VAN DER MAST;V.C. READ;S.M. BROMLEY;L.A.
 "BOILING OF NATURAL SEA WATER IN FALLING FILM EVAPORATORS"
 DESALINATION, VOL.18, 1976, PP.71-94
 024004 1976 ** ROUGHSURF
 FLOBOIL ADDFORLIQUIDS SWIRLFLO

VISKANTA;R.
 "CRITICAL HEAT FLUX FOR WATER IN SWIRLING FLOW"
 NUCLEAR SCIENCE AND ENGINEERING, VOL.10, 1961, PP.202-203
 054005 1961 ** SWIRLFLO
 FLOBOIL

VOLTERRAS;J. TOURNIER;G.
 "INFLUENCE OF THE CRITICAL FLUXES OF VORTICES INDUCED IN
 BOILING WATER AT LOW PRESSURE"
 EUROPEAN ATOMIC ENERGY COMMISSION REPORT EURAEC-810, 1963
 054007 1963 ** SWIRLFLO
 FLOBOIL
 NHC

WHALLEY;P.B.
 "THE EFFECT OF SWIRL ON CRITICAL HEAT FLUX IN ANNULAR
 TWO-PHASE FLOW"
 INTERNATIONAL JOURNAL OF MULTIPHASE FLOW, VOL.5, 1979,
 PP.211-217.
 054046 1979 ** SWIRLFLO
 FLOBOIL

SWIRL FLOW DEVICES — CONDENSATION

- AZER;N.Z. SAID;S.A.
 "AUGMENTATION OF CONDENSATION HEAT TRANSFER BY INTERNALLY
 FINNED TUBES AND TWISTED TAPE INSERTS"
 DEPARTMENT OF MECHANICAL ENGINEERING, KANSAS STATE
 UNIVERSITY FINAL TECHNICAL REPORT, JUNE 1981
 035112 1981 ** EXTENDED SURF
 CONDENSATION SWIRLFLO
- BRDLIK;P.M. TAGANOV;K.T. TAIRCV;B.P.
 "STEAM CONDENSATION FROM A STEAM-AIR MIXTURE IN SPIRAL
 TUBES"
 HEAT AND MASS TRANSFER IN TECHNOLOGICAL PROCESSES, UNITED
 STATES ATOMIC ENERGY COMMISSION. ISRAEL PROGRAM FOR
 SCIENTIFIC TRANSLATIONS, 1971
 055001 1971 AEC SWIRLFLO
 CONDENSATION NHC
- BRDLIK;P.M. KAKABAEV;A.
 "EXPERIMENTAL INVESTIGATION OF STEAM CONDENSATION IN
 COILED TUBES"
 INZHENERNO-FIZICHESKII ZHURNAL, VOL.6, NO.8, 1963,
 PP.104-108
 055003 1963 ** SWIRLFLO
 CONDENSATION
- HELMER;W.A. IQBAL;J.
 "LAMINAR HEAT TRANSFER IN A CIRCULAR TUBE WITH TWISTED TAPES
 DURING CONDENSATION"
 ASHRAE TRANSACTIONS, VOL. 86, 1980, PART 2, PP. 662-674.
 055004 1980 ASHRAET SWIRLFLO
 CONDENSATION 1FORCECONV
- LUU;M. BERGLES;A.E.
 "ENHANCEMENT OF HORIZONTAL IN-TUBE CONDENSATION OF R-113"
 ASHRAE TRANSACTIONS, VOL.85, PART 2, 1979, PP.293-312.
 025031 1979 ASHRAET ROUGHSURF
 CONDENSATION EXTENDED SURF SWIRLFLO
- LUU;M. BERGLES;A.E.
 "AUGMENTATION OF IN-TUBE CONDENSATION OF R-113"
 HEAT TRANSFER LABORATORY REPORT NO. HTL-23,
 ISU-ERI-AMES-80175, IOWA STATE UNIVERSITY, 1980.
 025035 1979 ISU ROUGHSURF
 EXTENDED SURF CONDENSATION SWIRLFLO
- ROYAL;J.H. BERGLES;A.E.
 "PRESSURE DROP AND PERFORMANCE EVALUATION OF AUGMENTED
 IN-TUBE CONDENSATION"
 HEAT TRANSFER 1978, VOL. 2, HEMISPHERE PUBLISHING
 CORPORATION, 1978, PP. 459-464.
 035064 1978 VIHTC EXTENDED SURF
 CONDENSATION SWIRLFLO
- ROYAL;J.H. BERGLES;A.E.
 "AUGMENTATION OF HORIZONTAL IN-TUBE CONDENSATION OF STEAM"
 HEAT TRANSFER LABORATORY REPORT HTL-9, ISU-ERI-AMES-76167,
 IOWA STATE UNIVERSITY, SEPTEMBER 1975
 035055 1975 ISU EXTENDED SURF
 SWIRLFLO CONDENSATION
- ROYAL;J.H. BERGLES;A.E.
 "EXPERIMENTAL STUDY OF THE AUGMENTATION OF HORIZONTAL
 IN-TUBE CONDENSATION"
 ASHRAE TRANSACTIONS, VOL.82, PART 1, 1976, PP.919-931
 035056 1976 ASHRAE EXTENDED SURF
 SWIRLFLO CONDENSATION
- ROYAL;J.H. BERGLES;A.E.
 "AUGMENTATION OF HORIZONTAL IN-TUBE CONDENSATION BY MEANS OF
 TWISTED-TAPE INSERTS AND INTERNALLY FINNED TUBES"
 JOURNAL OF HEAT TRANSFER, VOL.100, 1978, PP.17-24
 055007 1978 JHT SWIRLFLO
 CONDENSATION EXTENDED SURF
- SAASKI;E.W. HARTL;J.H.
 "HIGH PERFORMANCE HEAT PIPES FOR HEAT RECOVERY APPLICATIONS"
 SIGMA RESEARCH, INC. FINAL REPORT FOR CONTRACT NO. NAS5-
 25357, RICHLAND, WASHINGTON, SEPTEMBER 1979.
 013084 1979 ** TREAT SURF
 POOLBOIL SWIRLFLO CONDENSATION
- SAID;S.A. AZER;N.Z.
 "HEAT TRANSFER AND PRESSURE DROP DURING CONDENSATION
 INSIDE HORIZONTAL TUBES WITH TWISTED-TAPE INSERTS"
 ASHRAE TRANSACTIONS, VOL.89, PT.1, 1983, PP.
 055009 1983 ASHRAET SWIRLFLO
 CONDENSATION
- SHKLOVER;G.G. GERASIMIV;A.V.
 "HEAT TRANSFER AND RESISTANCE WITH CONDENSATION OF STEAM
 MOVING RAPIDLY IN A VERTICAL TUBE BUNDLE"
 THERMAL ENGINEERING, VOL.17, NO.8, 1970, PP.79-81
 055002 1970 TENG SWIRLFLO
 CONDENSATION
- THOMAS;D.G. HAYES;P.H.
 "HIGH PERFORMANCE HEAT TRANSFER SURFACES"
 INDUSTRIAL AND ENGINEERING CHEMISTRY, VOL.62, NO.2, 1970,
 PP.4-9
 035017 1970 IEC EXTENDED SURF
 SWIRLFLO ROUGHSURF CONDENSATION 1FORCECONV
- TRAVIS;D.P. ROSENOW;W.M.
 "THE INFLUENCE OF RETURN BENDS ON THE DOWNSTREAM PRESSURE
 DROP AND CONDENSATION HEAT TRANSFER IN TUBES"
 REPORT NO. DSR72591-75, ENGINEERING PROJECTS LABORATORY,
 MASSACHUSETTS INSTITUTE OF TECHNOLOGY, OCTOBER 1971
 055005 1971 MIT SWIRLFLO
 CONDENSATION
- TRAVIS;D.P. ROSENOW;W.M.
 "THE INFLUENCE OF RETURN BENDS ON THE DOWNSTREAM PRESSURE
 DROP AND CONDENSATION HEAT TRANSFER IN TUBES"
 ASHRAE TRANSACTIONS, VOL.79, PART1, 1973, PP.129-137
 055006 1973 ASHRAE SWIRLFLO
 CONDENSATION
- USPENSKY;V.A. KIM;S.A. KUTSYAEV;I.M.
 "HEAT AND MASS TRANSFER IN VORTEX DISPERSED FLOW IN THE
 CYLINDER"
 ABSTRACT FROM THE SIXTH ALL-UNION HEAT AND MASS TRANSFER
 CONFERENCE, MINSK, USSR, 1980, P. 88.
 055008 1980 ** SWIRLFLO
 CONDENSATION MASSTRAN

SWIRL FLOW DEVICES — MASS TRANSFER

CHRISTIANSON;H.B.
 "SECONDARY VELOCITY EFFECTS ON OXYGEN TRANSFER TO FLUIDS
 FLOWING IN HELICAL PERMEABLE TUBES"
 PH.D. THESIS, ARIZONA STATE UNIVERSITY, 1976
 056005 1976 ** SWIRLFLO
 MASSTRAN

ERSHOV;A.I. SHNAIDERMAN;M.F.
 "ESTIMATION OF EFFICIENCY OF HIGH-RATE HEAT AND MASS
 EXCHANGERS WITH PHASE IN A SWIRLED FLOW"
 ABSTRACT FROM THE FIFTH ALL-UNION HEAT AND MASS TRANSFER
 CONFERENCE, MINSK, USSR, 1976, P.102
 052095 1976 ** SWIRLFLO
 1FORCECCNV MASSTRAN

GORTYSHOV;Y.F. SHCHUKIN;V.K. KHALATOV;A.A.
 "MASS TRANSFER INTO PARTIALLY SWIRLING TURBULENT FLOW UNDER
 DIFFERENT REGULARITIES OF TWIST AT THE TUBE INLET"
 SOVIET AERONAUTICS, VOL.18, NO.3, PP.12-18
 056001 1975 ** SWIRLFLO
 MASSTRAN

KHALATOV;A.A. SHCHUKIN;V.K.
 "THE EFFECT OF SWIRL FLOW ON LOCAL HEAT AND MASS TRANSFER
 IN TURBULENT FLOWS IN PIPE INLETS"
 HEAT TRANSFER-SOVIET RESEARCH, VOL.11, NO.3, 1979, PP.10-15
 052035 1979 HTSR SWIRLFLO
 1FORCECCNV MASSTRAN

KHALATOV;A.A.
 "GENERAL LAWS OF HEAT TRANSFER IN SWIRLING INTERNAL PIPE
 FLOWS"
 SOVIET AERONAUTICS, VOL.22, NO.1, 1979, PP.54-57
 052065 1979 ** SWIRLFLO
 1FORCECCNV MASSTRAN

OSIPENKO;Y.I.

"HEAT AND MASS TRANSFER IN A CYLINDRICAL TUBE WITH SECONDARY
 SWIRLING OF ONE- AND TWO-PHASE LIQUID-GAS FLOWS"
 HEAT TRANSFER - SOVIET RESEARCH, VOL.8, NO.1, 1976, PP.60-69
 052051 1976 HTSR SWIRLFLO
 1FORCECCNV MASSTRAN FLOBOIL

SHCHUKIN;V.K. KHALATOV;A.A. GORTYSHEV;Y.F.
 "MASS TRANSFER FROM THE INITIAL LENGTH OF A TUBE WITH
 PARTIALLY SWIRLED FLOW"
 BSSR ACADEMY OF SCIENCES - ENGINEERING PHYSICS JOURNAL, VOL.
 26, 1974, PP.197-203
 056002 1974 ** SWIRLFLO
 MASSTRAN

HEMILT;L.W. SHOUKRY;E.
 "MASS TRANSFER ENHANCEMENT IN SWIRLING ANNULAR PIPE FLOW"
 PAPER PRESENTED AT SECOND WORLD CONGRESS OF CHEMICAL
 ENGINEERING AND WORLD CHEMICAL EXPOSITION, MONTREAL, CANADA,
 OCTOBER 1981
 056004 1981 ** SWIRLFLO
 MASSTRAN
 NHC

TRIVEDI;R.N. VASUDEVA;K.
 "AXIAL DISPERSION IN LAMINAR FLOW IN HELICAL COILS"
 CHEMICAL ENGINEERING SCIENCE, VOL.30, 1975, PP.317-325
 056003 1975 CES SWIRLFLO
 MASSTRAN

USPENSKY;V.A. KIM;S.A. KUTSYAEV;I.M.
 "HEAT AND MASS TRANSFER IN VORTEX DISPERSED FLOW IN THE
 CYLINDER"
 ABSTRACT FROM THE SIXTH ALL-UNION HEAT AND MASS TRANSFER
 CONFERENCE, MINSK, USSR, 1980, P. 88
 055008 1980 ** SWIRLFLO
 CONDENSATION MASSTRAN

COILED TUBES — FORCED CONVECTION

ABUL-HAMAYEL;M.A. BELL;K.J.
 "HEAT TRANSFER IN HELICALLY-COILED TUBES WITH LAMINAR FLOW"
 AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.
 79-WA/HT-11, 1979.
 162032 1979 ASME COILED TUBE
 1FORCECONV

ADLER;M.
 "STROMUNG IN GEKUEMMTEN ROHREN"
 ZEITSCHRIFT FUR ANGEWANDTE MATHEMATIK UND MECHANIK, VOL.14,
 NO.5, 1934, PP.257-275
 162001 1934 ** COILED TUBE
 1FORCECONV

AKIYAMA;M. CHENG;K.C.
 "BOUNDARY VORTICITY METHOD FOR LAMINAR FORCED CONVECTION
 HEAT TRANSFER IN CURVED PIPES"
 INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.14,
 1971, PP.1659-1676
 162090 1971 IJHMT COILED TUBE
 1FORCECONV

AKIYAMA;M. CHENG;K.C.
 "LAMINAR FORCED CONVECTION IN THE THERMAL ENTRANCE REGION OF
 CURVED PIPES WITH UNIFORM WALL TEMPERATURE"
 CANADIAN JOURNAL OF CHEMICAL ENGINEERING, VOL.52, 1974,
 PP.234-240
 162008 1974 ** COILED TUBE
 1FORCECONV

AKIYAMA;M.
 "LAMINAR FORCED CONVECTION HEAT TRANSFER IN CURVED
 RECTANGULAR CHANNELS"
 M.S. THESIS, MECHANICAL ENGINEERING DEPARTMENT, UNIVERSITY
 OF ALBERTA, CANADA, 1969
 162002 1969 ** COILED TUBE
 1FORCECONV
 NHC

AKIYAMA;M. CHENG;K.C.
 "LAMINAR FORCED CONVECTION HEAT TRANSFER IN CURVED PIPES
 WITH UNIFORM WALL TEMPERATURE"
 INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.15,
 1972, PP.1426-1431
 162098 1972 IJHMT COILED TUBE
 1FORCECONV

ANONYMOUS
 "HEAT TRANSFER TO CRYOGENIC HYDROGEN FLOWING TURBULENTLY IN
 STRAIGHT AND CURVED TUBES AT HIGH HEAT FLUXES"
 NASA CR-678, AEROCJET-GENERAL CORP., SACRAMENTO, CALIFORNIA,
 1967
 162053 1967 NASA 1FORCECONV
 COILED TUBE

ARANCY;I.Z.
 "HEAT TRANSFER WITH LIQUID MOTION IN SCREW COILS"
 TEPLOENERGETIKA, VOL.8, NO.6, 1961, PP.75-77
 162003 1961 TE COILED TUBE
 1FORCECONV

BAURMEISTER;U. BRAUER;H.
 "LAMINAR FLOW AND HEAT TRANSFER IN HELICALLY AND SPIRALLY
 COILED TUBES"
 VDI-FORSCHUNGSHEFT, NO.593, 1979, PP.2-48
 162123 1979 ** COILED TUBE
 1FORCECONV

BAYLIS;J.A.
 "EXPERIMENTS ON LAMINAR FLOW IN CURVED CHANNELS OF SQUARE
 SECTION"
 JOURNAL OF FLUID MECHANICS, VOL.48, 1971, PP.417-422
 162069 1971 ** COILED TUBE
 1FORCECONV

BERG;R.R. BONILLA;C.F.
 "HEATING OF FLUIDS IN COILS"
 TRANSACTIONS OF THE NEW YORK ACADEMY OF SCIENCES, SERIES II,
 VOL.13, 1950, PP.12-18.
 162005 1950 ** COILED TUBE
 1FORCECONV

BERG;R.R.
 "HEAT TRANSFER TO FLUIDS IN COILED TUBING IN THE STREAMLINE
 FLOW REGION"
 PH.D. DISSERTATION, JOHNS HOPKINS UNIVERSITY, 1950
 162099 1950 ** COILED TUBE
 1FORCECONV
 NHC

BISCH;C.
 "EXPERIMENTAL STUDY OF CONVECTION IN CURVED PIPES WITH
 CIRCULAR CROSS SECTION"
 REVUE GENERAL DE THERMIQUE, VOL.3, NO.25, PP.25-36.
 162006 1964 ** COILED TUBE
 1FORCECONV

BORISHANSKIY;V.M. LEBEDEV;M.Y. MIZONOV;N.V.
 NOVOSELOVA;G.I. SAVINA;A.V. FRISOVA;E.V.
 "HEAT TRANSFER TO LIQUID METAL FLOWING OVER A TIGHT
 HELICAL COIL"
 HEAT TRANSFER - SOVIET RESEARCH, VOL.13, NO.4, 1981,
 PP.1-13
 162027 1981 HTSR COILED TUBE
 1FORCECONV

EOROVNIK;E.S. MIKHAILOV;I.F. KOSIK;N.A.
 "HYDRAULIC FRICTION AND HEAT TRANSFER IN COIL-TYPE COUNTER-
 FLOW HEAT EXCHANGERS"
 INZHENERNO-FIZICHESKII ZHURNAL, VOL.7, NO.7, 1964, PP.3-8.
 162007 1964 ** COILED TUBE
 1FORCECONV

BREUS;V.I. BELYAKOV;I.I.
 "AN EXPERIMENTAL INVESTIGATION OF THE TEMPERATURE CONDITIONS
 OF HELICAL COILS WITH A SMALL COIL RADIUS"
 THERMAL ENGINEERING, VOL.27, 1980, PP.410-412
 162129 1980 TENG COILED TUBE
 1FORCECONV

BUTUZOV;A.I. BEZRODNYI;M.K. PUSTOVIT;M.M.
 "HYDRAULIC RESISTANCE AND HEAT TRANSFER IN FORCED FLOW IN
 RECTANGULAR COILED TUBES"
 HEAT TRANSFER - SOVIET RESEARCH, VOL.7, NO.4, 1975, PP.84-88
 162070 1975 HTSR COILED TUBE
 1FORCECONV

CHANG;M.H.
 "CURVED TUBE HEAT TRANSFER IN LAMINAR, PULSATILE, FULLY-
 DEVELOPED FLOWS"
 PH.D. DISSERTATION, UNIVERSITY OF ILLINOIS AT CHICAGO
 CIRCLE, 1977
 162009 1977 ** COILED TUBE
 1FORCECONV FLUIDVIB COMPOUNDTECH
 NHC

CHENG;K.C. AKIYAMA;M.
 "LAMINAR FORCED CONVECTION HEAT TRANSFER IN CURVED
 RECTANGULAR CHANNELS"
 INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.13,
 1970, PP.471-490
 162100 1970 IJHMT COILED TUBE
 1FORCECONV

CHENG;K.C. LIN;R.C. OU;J.W.
 "GRAETZ PROBLEM IN CURVED RECTANGULAR CHANNELS WITH
 CONVECTIVE BOUNDARY CONDITION - THE EFFECT OF SECONDARY FLOW
 ON LIQUID SOLIDIFICATION-FREE ZONE"
 INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.18,
 1975, PP.996-999
 162101 1975 IJHMT COILED TUBE
 1FORCECONV

CHILTON;T.H. DREW;T.B. JEBENS;R.H.
 "HEAT TRANSFER IN COEFFICIENTS IN AGITATED VESSELS"
 INDUSTRIAL AND ENGINEERING CHEMISTRY (INDUSTRIAL EDITION),
 VOL.36, 1944, NO.6, PP. 510-516.
 162010 1944 ** COILED TUBE
 1FORCECONV

CHRISTENSEN JR.;J.J.
 "HEAT TRANSFER AND PRESSURE DROP INSIDE COILED TUBES"
 PH.D. THESIS, CARNEGIE-MELLON UNIVERSITY, 1958
 162011 1958 ** COILED TUBE

1FORCECONV
NHC

COONS;K.W. HARGIS;A.M. HEWES;P.Q.
WEEMS;F.T.
"SPIRAL HEAT EXCHANGER HEAT TRANSFER CHARACTERISTICS"
CHEMICAL ENGINEERING PROGRESS, VOL.43, 1947, PP.405-414
162071 1947 CEP COILED TUBE
1FORCECONV

DEAN;W.R.
"THE STREAMLINE MOTION OF FLUID IN A CURVED PIPE"
PHILOSOPHICAL MAGAZINE, SERIES 7, VOL.5, 1928, PP.673-695.
162102 1928 ** COILED TUBE
1FORCECONV

DEAN;W.R.
"THE STREAMLINE MOTION OF FLUID IN A CURVED PIPE"
PHILOSOPHICAL MAGAZINE, SERIES 7, VOL.4, 1927, PP.208-223.
162103 1927 ** COILED TUBE
1FORCECONV

DEELDER;R.S.
"MEASUREMENT OF AXIAL DISPERSION IN LAMINAR FLOW THROUGH
COILED CAPILLARY TUBES"
CHEMICAL ENGINEERING SCIENCE, VOL. 34, 1979, PP. 1345-1347.
162067 1979 CES COILED TUBE
1FORCECONV

DRAVID;A.N.
"THE EFFECT OF SECONDARY FLUID MOTION ON LAMINAR FLOW HEAT
TRANSFER IN HELICALLY COILED TUBES"
SC.D. DISSERTATION, MASSACHUSETTS INSTITUTE OF TECHNOLOGY,
1969
162013 1969 ** COILED TUBE
1FORCECONV
NHC

DRAVID;A.N. SMITH;K.A. MERRILL;E.W.
BRIAN;P.L.T.
"EFFECT OF SECONDARY FLUID MOTION ON LAMINAR FLOW HEAT
TRANSFER IN HELICALLY COILED TUBES"
AMERICAN INSTITUTE OF CHEMICAL ENGINEERS JOURNAL, VOL.17,
1971, PP.1114-1122
162104 1971 AICHEJ COILED TUBE
1FORCECONV

DZYUBENKO;B.V. EVLEV;V.M.
"HEAT TRANSFER AND HYDRAULIC DRAG IN A SWIRLED-FLOW HEAT
EXCHANGER"
IZVESTIA AKADEMII NAUK SSSR, ENERGETIKA I TRANSPORT, 1980,
NO.5, PP.117-125
162141 1980 ** COILED TUBE
1FORCECONV

EDE;A.J.
"THE EFFECT OF A 180 DEGREE BEND ON HEAT TRANSFER TO WATER
IN A TUBE"
PROCEEDINGS OF THE THIRD INTERNATIONAL HEAT TRANSFER
CONFERENCE, AMERICAN INSTITUTE OF CHEMICAL ENGINEERS, NEW
YORK, VOL.1, 1966, PP.99-103
162072 1966 IITHTC COILED TUBE
1FORCECONV

FASTOVSKII;V.G. ROVINSKII;A.E.
"HEAT TRANSFER IN COILED CHANNELS"
TEPLOENERGETIKA, VOL. 1, NO. 1, 1957, PP. 39-41.
162105 1957 TE COILED TUBE
1FORCECONV

GAL'TSOV;V.Y. KOROTAEV;V.M.
"INVESTIGATION OF HEAT TRANSFER FROM A GAS STREAM IN THE
FLUID-FLOW CHANNEL OF A CORRUGATED PLATE SPIRAL HEAT
EXCHANGER"
CHEMICAL AND PETROLEUM ENGINEERING, VOL.12, NO.2, 1976,
PP.131-133
142016 1976 ** COMPOUNDTECH
1FORCECONV ROUGHSURF COILED TUBE

GENETTI;W.E. EVERLY;D.
"HEAT TRANSFER FROM SPIRAL TUBING IN AN AIR-FLUIDIZED
BED"

HEAT TRANSFER ENGINEERING, VOL.3, NOS.3-4, 1962, PP.60-65
142036 1982 HTE COMPOUNDTECH
1FORCECONV COILED TUBE ROUGHSURF ADDFORGASES

GLOWER;D.D.
"HEAT TRANSFER COEFFICIENTS IN HELICAL COILS"
M.S. THESIS, IOWA STATE UNIVERSITY, 1958
162073 1958 ** COILED TUBE
1FORCECONV

HAWES;W.B.
"SOME SIDELIGHTS ON THE HEAT TRANSFER PROBLEM"
TRANSACTIONS OF THE INSTITUTION OF CHEMICAL ENGINEERS, VOL.
10, 1932, PP.161-167
162015 1932 ** COILED TUBE
1FORCECONV

HSU;C.-F. PATANKAR;S.V.
"ANALYSIS OF LAMINAR NON-NEWTONIAN FLOW AND HEAT TRANSFER IN
CURVED TUBES"
AMERICAN INSTITUTE OF CHEMICAL ENGINEERS JOURNAL, VOL.28,
1982, PP.610-616
162131 1982 AICHEJ COILED TUBE
1FORCECONV

INABA;T. MURATA;S.
"PULSATING LAMINAR FLOW IN A SINUSOIDALLY CURVED PIPE"
BULLETIN OF THE JAPAN SOCIETY OF MECHANICAL ENGINEERS,
VOL. 21, NO. 155, 1978, PP. 832-839.
112086 1978 BJSME FLUID VIB
1FORCECONV COILED TUBE

JANSSEN;L.A.M. HOOGENDOORN;C.J.
"LAMINAR CONVECTIVE HEAT TRANSFER IN HELICAL COILED TUBES"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.21,
1978, PP.1197-1206
162118 1978 IJHMT COILED TUBE
1FORCECONV

JESCHKE;D.
"WAERMEUEBERGANG UND DRUCKVERLUST IN ROHRSCHLANGEN"
ZEITSCHRIFT DES VEREINES DEUTSCHER INGENIEURE,
VOL. 69, 1925, P. 1526.
162122 1925 ** COILED TUBE
1FORCECONV

JESCHKE;D.
"WAERMEUEBERGANG UND DRUCKVERLUST IN ROHRSCHLANGEN"
ERGAENZUNGSHEFT, VOL.24, 1925, PP.1-
ERGAENZUNGSHEFT, VOL.24, 1925, P.1526
162017 1925 ** COILED TUBE
1FORCECONV
NHC

KAGANOV;S.A.
"ESTABLISHING LAMINAR FLOW FOR AN INCOMPRESSIBLE LIQUID IN A
HORIZONTAL CHANNEL AND A CURVED CYLINDRICAL TUBE WITH
CORRECTIONS FOR FRICTIONAL HEAD AND THE TEMPERATURE
DEPENDENCE OF VISCOSITY"
INTERNATIONAL CHEMICAL ENGINEERING, VOL.3, NO.1, 1963,
PP.33-35
162018 1963 ICE COILED TUBE
1FORCECONV

KALB;C.E. SEADER;J.D.
"FULLY DEVELOPED VISCOUS-FLOW HEAT TRANSFER IN CURVED
CIRCULAR TUBES WITH UNIFORM WALL TEMPERATURE"
AMERICAN INSTITUTE OF CHEMICAL ENGINEERS JOURNAL, VOL.20,
1974, PP.340-346
162019 1974 AICHEJ COILED TUBE
1FORCECONV

KALB;C.E. SEADER;J.D.
"HEAT AND MASS TRANSFER PHENOMENA FOR VISCOUS FLOW IN CURVED
CIRCULAR TUBES"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.15,
1972, PP.801-818
162106 1972 IJHMT COILED TUBE
1FORCECONV MASSTRAN

KALB;C.E. SEADER;J.D.
"ENTRANCE REGION HEAT TRANSFER IN A UNIFORM WALL-

TEMPERATURE HELICAL COIL WITH TRANSITION FROM TURBULENT TO LAMINAR FLOW"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.26, 1983, PP.23-32
162138 1983 IJHMT COILED TUBE
1FORCECONV

KAPCZYNSKI;J. KONCZAL;J. PLASKURA;A.
"HEAT TRANSFER IN HELICAL COOLERS OF SULPHURIC ACID"
INZYNIERIA I APARATURA CHEMICZNA VOL.11, 1972, PP.27-31
162020 1972 ** COILED TUBE
1FORCECONV
NHC

KIRPIKOV;A.V.
"HEAT TRANSFER IN HELICALLY COILED PIPES"
TRUDY MOSK. INST. KHIM. MASHINOST., VOL.12, 1957
PP.43-56
162021 1957 ** COILED TUBE
1FORCECONV

KOIZUMI;M. MOROOKA;S.
"DEVELOPMENT AND PERFORMANCE TEST OF A NEW WATER HEATER USING THE OPERATING PRINCIPLE OF A HEAT PIPE"
HEAT TRANSFER - JAPANESE RESEARCH, VOL.7, NO.4, 1978, PP. 87-97
162132 1978 HTJR COILED TUBE
1FORCECONV

KOVALENKO;B.M.
"HEAT EXCHANGE WITH VISCOUS FLOW OF LIQUID IN U-TUBES"
THERMAL ENGINEERING, VOL.17, NO.11, 1970, PP.113-116
162107 1970 TENG COILED TUBE
1FORCECONV

KRAMERS;H. WESTERTEP;K.R.
"ELEMENTS OF CHEMICAL REACTOR DESIGN AND OPERATION"
ACADEMIC PRESS, NEW YORK, 1963, P.92
CHAPMAN AND HALL: NEW YORK, 1963, P.92
162022 1963 ** COILED TUBE
1FORCECONV

KREITH;F.
"THE INFLUENCE OF CURVATURE ON HEAT TRANSFER TO INCOMPRESSIBLE FLUIDS"
TRANSACTION OF THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS, VOL.77, 1955, PP.1247-1256
162023 1955 ASME COILED TUBE
1FORCECONV

KREITH;F. MARGOLIS;D.
"HEAT TRANSFER AND FRICTION IN SWIRLING TURBULENT FLOW"
PROCEEDINGS OF THE HEAT TRANSFER AND FLUID MECHANICS INSTITUTE, 1958, PP. 126-142.
162024 1958 ** COILED TUBE
1FORCECONV

KUBAIR;V. KULOOR;N.R.
"SOME ASPECTS OF FLOW AND HEAT TRANSFER THROUGH COILED PIPES. NEWTONIAN FLUIDS"
JOURNAL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, VOL.22, 1963, PP.499-504.
162025 1963 ** COILED TUBE
1FORCECONV

KUBAIR;V. KULOOR;N.R.
"SOME ASPECTS OF FLOW OF FLUIDS AND HEAT TRANSFER THROUGH COILED PIPES - NON-NEWTONIAN FLUIDS"
JOURNAL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, VOL.23, 1964, PP.49-52
162026 1964 ** COILED TUBE
1FORCECONV

KUBAIR;V. KULOOR;N.R.
"PRESSURE DROP AND HEAT TRANSFER IN SPIRAL TUBE COILS"
INDIAN JOURNAL OF TECHNOLOGY, VOL.1, 1963, PP.336-338
162074 1963 ** COILED TUBE
1FORCECONV

KUBAIR;V. KULOOR;N.R.
"COMPARISON OF PERFORMANCE OF HELICAL AND SPIRAL COIL HEAT EXCHANGERS"

INDIAN JOURNAL OF TECHNOLOGY, VOL.4, 1966, PP.1-3
162075 1966 ** COILED TUBE
1FORCECONV

KUBAIR;V. KULOOR;N.R.
"MOMENTUM AND HEAT TRANSFER ANALOGY EQUATIONS FOR HELICAL COILS"
INDIAN JOURNAL OF TECHNOLOGY, VOL.3, 1965, PP.1-4
162076 1965 ** COILED TUBE
1FORCECONV

KUBAIR;V. KULOOR;N.R.
"HEAT TRANSFER TO NEWTONIAN FLUIDS IN STEAM HEATED HELICAL COILS IN DOUBLE HELICAL STREAMLINE MOTION, TRANSITION AND TURBULENT FLOWS"
INDIAN JOURNAL OF TECHNOLOGY, VOL.3, 1965, PP.147-150
162077 1965 ** COILED TUBE
1FORCECONV

KUBAIR;V. KULOOR;N.R.
"MOMENTUM AND HEAT TRANSFER ANALOGY EQUATIONS FOR SPIRAL TUBE COILS"
INDIAN JOURNAL OF TECHNOLOGY, VOL.3, 1965, PP.173-174
162078 1965 ** COILED TUBE
1FORCECONV

KUBAIR;V. KULOOR;N.R.
"HEAT TRANSFER TO NEWTONIAN FLUIDS IN SPIRAL COILS AT CONSTANT TUBE WALL TEMPERATURE IN LAMINAR FLOW"
INDIAN JOURNAL OF TECHNOLOGY, VOL.3, 1965, PP.144-146
162108 1965 ** COILED TUBE
1FORCECONV

KUBAIR;V. KULOOR;N.R.
"HEAT TRANSFER TO NEWTONIAN FLUIDS IN COILED PIPES IN LAMINAR FLOW"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.9, 1966, PP.63-75
162109 1966 IJHMT COILED TUBE
1FORCECONV

LACEY;P.M.C. PATRICK;M.A.
"FLUID FLOW IN COMPLEX SHAPES"
POLISH NATIONAL HEAT AND MASS TRANSFER SYMPOSIUM, JABLONNA, POLAND, NOVEMBER 1974
162028 1974 ** COILED TUBE
1FORCECONV
NHC

LAMB;B.R.
"PLATE HEAT EXCHANGERS--A LOW-COST ROUTE TO HEAT RECOVERY"
JOURNAL OF HEAT RECOVERY SYSTEMS, VOL.2, NO.3, 1982, PP.247-255
162144 1982 ** COILED TUBE
1FORCECONV

LARKIN;B.
"PRESSURE DROPS AND HEAT TRANSFER IN A DOUBLE HELIX HEAT EXCHANGER"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO. 80-WA/HT-38, 1980.
162096 1980 ASME COILED TUBE
1FORCECONV

MAC ARTHUR;J.W.
"TRANSIENT ONE-DIMENSIONAL HEAT TRANSFER TO OR FROM INCOMPRESSIBLE FLUIDS FLOWING THROUGH COILS, TUBES OR DUCTS"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO. 80-HT-109, 1980
162126 1980 ASME COILED TUBE
1FORCECONV
NHC

MAEKAWA;H.
"HEAT TRANSFER TO FULLY DEVELOPED LAMINAR FLOW IN A GENTLY CURVED PIPE"
FIRST JAPAN HEAT TRANSFER SYMPOSIUM, 1964, PP.13-16.
162030 1964 ** COILED TUBE
1FORCECONV

MANAFZADEH;S. SIMON;H.A. CHOW;J.C.F.
"HEAT TRANSFER ENHANCEMENT IN COILED TUBES"

LETTERS IN HEAT AND MASS TRANSFER, VOL.9, 1982, PP.479-485
162136 1982 LHMT COILED TUBE
1 FORCECONV

MANAFZADEH;S. CHOW;J.C.F. SIMON;H.A.
"HEAT TRANSFER IN CURVED TUBES"
ASME-JSME THERMAL ENGINEERING JOINT CONFERENCE PROCEEDINGS,
HONOLULU, HAWAII, MARCH 1983, VOL.3, PP.21-26
162139 1983 ** COILED TUBE
1 FORCECONV

MANLAPAZ;R.L. CHURCHILL;S.W.
"FULLY DEVELOPED LAMINAR CONVECTION FROM A HELICAL COIL"
CHEMICAL ENGINEERING COMMUNICATIONS, VOL.9, NO.1-6, 1981,
PP.185-200
162133 1981 ** COILED TUBE
1 FORCECONV

MASLIYAH;J.H. NANDAKUMAR;K.
"FLUID FLOW AND HEAT TRANSFER IN INTERNALLY FINNED HELICAL
COILS"
CANADIAN JOURNAL OF CHEMICAL ENGINEERING, VOL.55, 1977,
PP.27-36
162091 1977 ** COILED TUBE
EXTENDED SURF COMPOUND TECH 1 FORCECONV

MC ADAMS;W.H.
"HEAT TRANSMISSION"
MC GRAW-HILL BOOK COMPANY, NEW YORK, 1954, PP.150-151
162031 1954 ** COILED TUBE
1 FORCECONV

MC CARTHY;J.R. SEADER;J.D. TREBES;D.M.
"HEAT TRANSFER TO SUPERCRITICAL NITROGEN TETROXIDE AT HIGH
HEAT FLUXES AND IN AXIALLY CURVED FLOW PASSAGES"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.67-HT-59,
1967
162119 1967 ASME COILED TUBE
1 FORCECONV

MEHTA;N.D. BELL;K.J.
"LAMINAR FLOW HEAT TRANSFER IN A PIPE PRECEDED BY A 180
DEGREE BEND"
ABSTRACT FROM THE SIXTH ALL-UNION HEAT AND MASS TRANSFER
CONFERENCE, MINSK, USSR, 1980, P. 24.
162121 1980 ** COILED TUBE
1 FORCECONV

MEHTA;N.D. BELL;K.J.
"LAMINAR FLOW HEAT TRANSFER IN A TUBE PRECEDED BY A 180
DEGREE BEND"
HEAT TRANSFER - SOVIET RESEARCH, VOL.13, NO.6, 1981,
PP.71-80
162137 1981 HTSR COILED TUBE
1 FORCECONV

MERKEL;F.
"DIE GRUNDLAGEN DER WÄRMETRANSFERTRAGUNG"
STEINKOPF, LEIPZIG, 1927, PP.51-
162042 1927 ** COILED TUBE
1 FORCECONV
NHC

MIRPOLSKII;Z.L. PIKUS;V.Y.
"LOCAL HEAT TRANSFER COEFFICIENTS IN CURVILINEAR CHANNELS"
INTERNATIONAL CHEMICAL ENGINEERING, VOL.8, 1968, PP.78-80
162079 1968 ICE COILED TUBE
1 FORCECONV

MIRPOLSKII;Z.L. PIKUS;V.Y. KOVALEVSKII;V.B.
"HEAT TRANSFER WITH A FLOW OF MEDIUM AT SUPERCRITICAL
PRESSURE IN CURVILINEAR CHANNELS"
THERMAL ENGINEERING, VOL.17, NO.11, 1970, PP.101-104
162080 1970 TENG COILED TUBE
1 FORCECONV

MIRPOLSKIY;Z.L. ANNADURDYEV;K. KAKABAEV;A.
"HEAT TRANSFER AND PRESSURE DROP IN THE HEATING AND COOLING
OF LIQUIDS IN CURVILINEAR CHANNELS"
INTERNATIONAL CHEMICAL ENGINEERING, VOL.9, 1969, PP.410-414
162117 1969 ICE COILED TUBE
1 FORCECONV

MIYAZAKI;H.
"COMBINED FREE AND FORCED CONVECTIVE HEAT TRANSFER AND FLUID
FLOW IN ROTATING CURVED TUBES"
M.S. THESIS, UNIVERSITY OF MINNESOTA, 1970
162033 1970 ** COILED TUBE
1 FORCECONV
NHC

MIYAZAKI;H.
"COMBINED FREE AND FORCED CONVECTIVE HEAT TRANSFER AND FLUID
FLOW IN A ROTATING CURVED CIRCULAR TUBE"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.14,
1971, PP.1295-1309
162110 1971 IJHMT COILED TUBE
1 FORCECONV MECH AID COMPOUND TECH

MORI;Y. UCHIDA;Y.
"FORCED CONVECTIVE HEAT TRANSFER IN A CURVED CHANNEL"
JSME 1967 SEMI-INT. SYMP., HEAT AND MASS TRANSFER, THERMAL
STRESS I, 1967, PP.181-190
162034 1967 ** COILED TUBE
1 FORCECONV

MORI;Y. UCHIDA;Y.
"STUDY ON CONVECTIVE HEAT TRANSFER IN A CURVED CHANNEL OF A
SQUARE CROSS-SECTION (FIRST REPORT, ANALYTICAL RESULTS ON A
LAMINAR REGION)"
TRANSACTIONS OF THE JAPANESE SOCIETY OF MECHANICAL
ENGINEERS, VOL.33, 1967, PP.1836-1846.
162035 1967 ** COILED TUBE
1 FORCECONV

MORI;Y. NAKAYAMA;W.
"STUDY ON FORCED CONVECTION HEAT TRANSFER IN CURVED PIPES
(SECOND REPORT, TURBULENT REGION)"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.10,
1967, PP.37-59
162081 1967 IJHMT COILED TUBE
1 FORCECONV

MORI;Y. NAKAYAMA;W.
"STUDY ON FORCED CONVECTIVE HEAT TRANSFER IN CURVED PIPES
(THIRD REPORT, THEORETICAL ANALYSIS UNDER THE CONDITION OF
UNIFORM WALL TEMPERATURE AND PRACTICAL FORMULAE)"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.10,
1967, PP.681-695
162082 1967 IJHMT COILED TUBE
1 FORCECONV

MORI;Y. NAKAYAMA;W.
"STUDY ON FORCED CONVECTION HEAT TRANSFER IN CURVED PIPES
(FIRST REPORT, LAMINAR REGION)"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.8,
1965, PP.67-82
162111 1965 IJHMT COILED TUBE
1 FORCECONV

MORI;Y. UCHIDA;Y. UKON;T.
"FORCED CONVECTIVE HEAT TRANSFER IN A CURVED CHANNEL WITH A
SQUARE CROSS SECTION"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.14,
1971, PP.1787-1805
162112 1971 IJHMT COILED TUBE
1 FORCECONV

MORI;Y.
"PERFORMANCE OF HEAT EXCHANGERS ON HTGR APPLICATION"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.80-HT-59,
1980.
162065 1980 ASME COILED TUBE
1 FORCECONV SWIRL FLO

MUJAWAR;B.A. RAJA RAO;M.
"FLOW OF NON-NEWTONIAN FLUIDS THROUGH HELICAL COILS"
INDUSTRIAL AND ENGINEERING CHEMICAL PROCESS DESIGN AND
DEVELOPMENT, VOL.17, NO.1, 1978, PP.22-27
162120 1978 IEC COILED TUBE
1 FORCECONV

NAKAYAMA;W.

"STUDY ON FORCED CONVECTIVE HEAT TRANSFER IN CURVED PIPES
(THIRD REPORT, THEORETICAL ANALYSIS OF UNIFORM WALL
TEMPERATURE AND PRACTICAL FORMULAE)"
TRANSACTIONS OF THE JAPANESE SOCIETY OF MECHANICAL
ENGINEERS, VOL.33, 1967, PP.104-112.

162036 1967 ** COILED TUBE
1FORCECONV
NHC

NANDAKUMAR;K. MASLIYAH;J.H.
"BIFURCATION IN STEADY LAMINAR FLOW THROUGH COILED TUBES"
JOURNAL OF FLUID MECHANICS, VOL.119, 1982, PP.475-490
162143 1982 ** COILED TUBE
1FORCECONV

NANDAPURKAR;P.J. RAG;M.R.
"LAMINAR FLOW HEAT TRANSFER TO POWER LAW FLUIDS IN HELICAL
COILS"
INDIAN JOURNAL OF TECHNOLOGY, VOL. 17, 1979, PP.308-312
162004 1979 ** COILED TUBE
1FORCECONV

NOBLE;M.A. KAMLANI;J.S. MC KEITA;J.J.
"HEAT TRANSFER IN SPIRAL COILS"
PETROLEUM ENGINEER, VOL.24, 1952, PP.C7-C13
162113 1952 ** COILED TUBE
1FORCECONV

NUSUPBEKOVA;D.A. USTIMENKO;B.P.
"THE CALCULATION OF LAMINAR CONVECTIVE HEAT TRANSFER IN A
PLANE CURVILINEAR CHANNEL"
VESTNIK AKADEMII NAUK KAZAKHSSOI SSR, NO.7, 1964, PP.51-52
162037 1964 ** COILED TUBE
1FORCECONV

NUSUPBEKOVA;D.A. USTIMENKO;B.P.
"STUDY OF HEAT TRANSFER OF A TURBULENT FLUID FLOW IN A PLANE
CURVED CHANNEL"
VESTNIK AKADEMII NAUK KAZAKHSSOI SSR, VOL.22,
NO.1, 1966, PP.47-54. NASA TT F-11, 382, N68-13480
162038 1967 ** COILED TUBE
1FORCECONV

OLIVER;D.R. ASGHAR;S.M.
"HEAT TRANSFER TO NEWTONIAN AND VISCOELASTIC LIQUIDS DURING
LAMINAR FLOW IN HELICAL COILS"
TRANSACTIONS OF THE INSTITUTION OF CHEMICAL ENGINEERS,
VOL.54, 1976, PP.218-224
162039 1976 TICE COILED TUBE
1FORCECONV

ORLOV;V.K. TSELISHCHEV;N.A.
"HEAT EXCHANGE IN A SPIRAL COIL WITH TURBULENT FLOW OF
WATER"
THERMAL ENGINEERING, VOL.11, NO.12, 1964, PP.97-99
162083 1964 TENG COILED TUBE
1FORCECONV

OZISIK;M.N. TOPAKOGLU;H.C.
"HEAT TRANSFER FOR LAMINAR FLOW IN A CURVED PIPE"
JOURNAL OF HEAT TRANSFER, VOL.90, 1968, PP.313-316
162040 1966 JHT COILED TUBE
1FORCECONV

PATANKAR;S.V. PRATAP;V.S. SPALDING;D.B.
"PREDICTION OF LAMINAR FLOW AND HEAT TRANSFER IN HELICAL
COILED PIPES"
JOURNAL OF FLUID MECHANICS, VOL.62, 1974, PP.539-551
162092 1974 ** COILED TUBE
1FORCECONV

PETUKHOV;B.S.
HEAT TRANSFER AND PRESSURE LOSS IN LAMINAR PIPE FLOW,
ENERGIYA PRESS, MOSCOW, 1967
162043 1967 ** COILED TUBE
1FORCECONV
NHC

PIERCE;D.E. TERRY;P.B.
"HEAT TRANSFER VERSUS AGITATION"
CHEMICAL AND METALLURGICAL ENGINEERING, VOL.30, 1924,
PP.872-873

162044 1924 ** COILED TUBE
1FORCECONV

PRAHUESAI;R.K. SHAH;S.M.
"HEAT TRANSFER THROUGH HELICAL COILS"
TRANSACTIONS OF THE INDIAN INSTITUTION OF CHEMICAL
ENGINEERS, VOL.12, 1959/60, PP.10-17
162045 1959 ** COILED TUBE
1FORCECONV

PRANDTL;L.
"FUEHRER DURCH DIE STROEMUNGSLEHRE"
PP.159-160
THIRD EDITION, FRIEDR. VIEWEG & SOHN, BRAUNSCHWEIG, 1949,
162046 1949 ** COILED TUBE
1FORCECONV
NHC

PRATT;N.H.
"THE HEAT TRANSFER IN A REACTION TANK COOLED BY MEANS OF A
COIL"
TRANSACTIONS OF THE INSTITUTION OF CHEMICAL ENGINEERS,
VOL.25, 1947, PP.163-180
162047 1947 TICE COILED TUBE
1FORCECONV

PRUSA;J. YAO;L.S.
"HEAT TRANSFER OF FULLY DEVELOPED FLOW IN CURVED TUBES"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO. 81-HT-39,
1981
162127 1981 ASME COILED TUBE
1FORCECONV

RABADI;M.J. CHOW;J.C.F. SIMON;H.A.
"HEAT TRANSFER IN CURVED TUBES WITH PULSATING FLOW"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.25,
NO.2, 1982, PP.195-203
142034 1982 IJHMT COMPOUNDTECH
1FORCECONV COILED TUBE FLUIDVIB

RABADI;N.J. CHOW;J.C.F. SIMON;H.A.
"AN EFFICIENT NUMERICAL PROCEDURE FOR THE SOLUTION OF
LAMINAR FLOW AND HEAT TRANSFER IN COILED TUBES"
NUMERICAL HEAT TRANSFER, VOL.2, 1979, PP.279-289.
162029 1979 ** COILED TUBE
1FORCECONV

RABADI;N.J. SIMON;H.A. CHOW;J.C.F.
"HEAT TRANSFER IN CURVED TUBES WITH PULSATING FLOW"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS, PAPER NO.
81-WA/HT-7, 1981.
142031 1981 ASME COMPOUNDTECH
1FORCECONV COILED TUBE FLUIDVIB

RABADI;N.J.
"PULSATING FLOW AND HEAT TRANSFER IN CURVED TUBES"
DISSERTATION, UNIVERSITY OF ILLINOIS AT CHICAGO CIRCLE, 1980
142032 1980 ** COMPOUNDTECH
FLUIDVIB COILED TUBE 1FORCECONV

RABADI;N.J. SIMON;H.A. CHOW;J.C.F.
"NUMERICAL SOLUTION FOR FULLY DEVELOPED, LAMINAR PULSATING
FLOW IN CURVED TUBES"
NUMERICAL HEAT TRANSFER, VOL.3, NO.2, 1980, PP.225-239
142033 1980 ** COMPOUNDTECH
FLUIDVIB COILED TUBE 1FORCECONV

RAJASEKHARAN;S. KUBAIR;V. KULLOOR;N.R.
"HEAT TRANSFER TO NON-NEWTONIAN FLUIDS IN COILED PIPES IN
LAMINAR FLOW"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.13,
1970, PP.1583-1594
162114 1970 IJHMT COILED TUBE
1FORCECONV

REJMON;J.
"HEAT TRANSFER AND PRESSURE LOSSES DURING THE TURBULENT FLOW
OF WATER THROUGH SPIRAL TUBES"
STROJIRENSTVI, VOL.20, NO.6, 1970, PP.323-329
162048 1970 ** COILED TUBE
1FORCECONV

- RICHTER;G.A.
"COILED PIPE HEAT INTERCHANGERS"
TRANSACTIONS OF THE AMERICAN INSTITUTE OF CHEMICAL
ENGINEERS, VOL. 12, 1919, PP. 147-185
162058 1919 AICHE COILED TUBE
1FORCECONV
- ROGERS;G.F.C. MAYHEW;Y.R.
"HEAT TRANSFER AND PRESSURE LOSS IN HELICALLY COILED TUBES
WITH TURBULENT FLOW"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.7,
1964, PP.1207-1216
162084 1964 IJHMT COILED TUBE
1FORCECONV
- SANO;Y. USUI;H. SAITO;E.
"THE CORRELATION FOR THE HEAT TRANSFER COEFFICIENT ON THE
OUTSIDE SURFACE OF A HELICAL COIL WITH AGITATION POWER"
HEAT TRANSFER - JAPANESE RESEARCH, VOL.9, 1980, NO.4,
PP.31-42
162135 1980 HTJR COILED TUBE
1FORCECONV MECHAID
- SASTRY;R.C. CHRISTOPHER;N.D. SATYANARAYAN;A.
"HEAT TRANSFER TO TWO-PHASE FLOW IN STRAIGHT AND COILED
TUBES"
CHEM. PETRO-CHEM. JOURNAL, VOL.10, NO.1, 1979, PP.25-33
162126 1979 ** COILED TUBE
1FORCECONV
- SCHIESTEL;R. GOSSE;J.
"TURBULENT FLOW PATTERN IN A COILED TUBE AND ASSOCIATED
THERMAL CONVECTION"
C.R. HEBD. SEANCES ACAD. SCI. B (FRANCE), VOL.281, 1975,
PP.539-542
162049 1975 ** COILED TUBE
1FORCECONV NHC
- SCHIESTEL;R. GOSSE;J.
"TURBULENT FLOW IN COILED TUBES AND THE INFLUENCE OF PRANDTL
NUMBER ON ASSOCIATED HEAT CONVECTION"
HEAT AND MASS TRANSFER SOURCEBOOK: FIFTH ALL-UNION
CONFERENCE, MINSK, SCRIPTA PUBLISHING COMPANY, WASHINGTON,
1977, PP.91-101
162050 1977 ** COILED TUBE
1FORCECONV
- SCHMIDT;R.F.
"WÄRMEEBERGANG UND DRUCKVERLUST IN ROHRSCHLANGEN"
CHEMIE-INGENIEUR-TECHNIK, VOL.39, 1967, PP.781-789
162085 1967 ** COILED TUBE
1FORCECONV
- SEBAN;R.A. MC LAUGHLIN;E.F.
"HEAT TRANSFER IN TUBE COILS WITH LAMINAR AND TURBULENT
FLOW"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.6,
1963, PP.387-395
162095 1963 IJHMT COILED TUBE
1FORCECONV
- SHAH;R.K. LONDON;A.L.
"LAMINAR FLOW FORCED CONVECTION HEAT TRANSFER AND FLOW
FRICTION IN STRAIGHT AND CURVED DUCTS - A SUMMARY OF ANALY-
TICAL SOLUTIONS"
DEPARTMENT OF MECHANICAL ENGINEERING, STANFORD UNIVERSITY,
TECHNICAL REPORT NO. 75, AD-736260, NOVEMBER 1971
162060 1971 ** COILED TUBE
1FORCECONV EXTENDED SURF LITSURVEY
- SHCHUKIN;V.K.
"HEAT TRANSFER AND FLUID MECHANICS OF INTERNAL FLOWS IN MASS
FORCE FIELDS"
MASHINOSTROYENIYE PRESS, MOSCOW, 1970
162052 1970 ** COILED TUBE
1FORCECONV NHC
- SHCHUKIN;V.K.
"CORRELATION OF EXPERIMENTAL DATA ON HEAT TRANSFER IN CURVED
PIPES"
- THERMAL ENGINEERING, VOL.16, NO.2, 1969, PP.72-76
162086 1969 TENG COILED TUBE
1FORCECONV
- SHCHUKIN;V.K. FILIN;V.A.
"CONVECTIVE HEAT TRANSFER IN SHORT CURVED CHANNELS"
JOURNAL OF ENGINEERING PHYSICS, VOL.12, NO.2, 1967, PP.78-82
162087 1967 JEP COILED TUBE
1FORCECONV
- SIMON;H.A. CHANG;M.H. CHOW;J.C.F.
"HEAT TRANSFER IN CURVED TUBES WITH PULSATILE, FULLY
DEVELOPED, LAMINAR FLOWS"
JOURNAL OF HEAT TRANSFER, VOL.99, 1977, PP.590-595
162093 1977 JHT COILED TUBE
FLUID VIB 1FORCECONV COMPOUNDTECH
- SINGH;S.P.N.
"LIQUID PHASE HEAT TRANSFER IN HELICALLY COILED TUBES"
PH.D. THESIS IN CHEMICAL ENGINEERING, OKLAHOMA STATE
UNIVERSITY, 1973
162094 1973 ** COILED TUBE
1FORCECONV NHC
- SINGH;S.P.N. FELL;K.J.
"LAMINAR FLOW HEAT TRANSFER IN A HELICALLY COILED TUBE"
HEAT TRANSFER 1974, VOL.11, JAPAN SOCIETY OF MECHANICAL
ENGINEERS, 1974, PP.193-197
162097 1974 VIHTC COILED TUBE
1FORCECONV
- SPIERS;H.M.
IN TECHNICAL DATA ON FUEL, LONDON: WORLD POWER CONFERENCE,
1961, P.42
162054 1961 ** COILED TUBE
1FORCECONV NHC
- SRINIVASAN;P.S. NANDAPURKAR;S.S. HOLLAND;F.A.
"PRESSURE DROP AND HEAT TRANSFER IN COILS"
CHEMICAL ENGINEER, MAY 1968, PP.CE113-CE119
162088 1968 ** COILED TUBE
1FORCECONV
- STOEVEER;H.J.
"TYPES OF INDUSTRIAL HEAT TRANSFER EQUIPMENT"
"APPLIED HEAT TRANSMISSION," FIRST EDITION, MC GRAW-HILL
BOOK COMPANY, NEW YORK, 1941, PP.136-161
162055 1941 ** COILED TUBE
1FORCECONV
- STORROW;J.A.
"HEAT TRANSMISSION IN COILS"
JOURNAL OF SOCIETY OF CHEMICAL INDUSTRY, LONDON, VOL.64,
1945, PP.322-326.
162056 1945 ** COILED TUBE
1FORCECONV
- TARBELL;J.M.
"FLOW AND HEAT TRANSFER IN CURVED TUBES"
MASTER OF CHEMICAL ENGINEERING THESIS, UNIVERSITY OF DELAWARE, 1972
162059 1972 ** COILED TUBE
1FORCECONV
- TARBELL;J.M. SAMUELS;M.R.
"MOMENTUM AND HEAT TRANSFER IN HELICAL COILS"
CHEMICAL ENGINEERING JOURNAL, VOL.5, NO.2, 1973, PP.117-127
162115 1973 ** COILED TUBE
1FORCECONV
- TSARENKO;N.V.
"THE NATURE OF HEAT TRANSFER IN CURVED CHANNELS"
IZVESTIYA OF KIEV POLYTECHNIC INSTITUTE, VOL.18, 1955
162061 1955 ** COILED TUBE
1FORCECONV NHC
- TYAGI;V.P. SHARMA;V.K.
"AN ANALYSIS OF STEADY FULLY DEVELOPED HEAT TRANSFER IN
LAMINAR FLOW WITH VISCOUS DISSIPATION IN A CURVED CIRCULAR
DUCT"

INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.18,
1975, PP.69-78
162062 1975 IJHMT COILED TUBE
1FORCECONV

VENKATARAMANAN;K.
"SPIRAL PLATE HEAT EXCHANGER"
CHEMICAL AGE INDIA, VOL.31, NO.9, 1980, PP.989-996
162130 1980 ** COILED TUBE
1FORCECONV

WHITE;C.M.
"FLUID FRICTION AND ITS RELATION TO HEAT TRANSFER"
TRANSACTIONS OF THE INSTITUTION OF CHEMICAL ENGINEERS,
VOL.10, 1932, PP.66-86
162116 1932 TICE COILED TUBE
1FORCECONV

YANG;J.W. LIAO;N.
"TURBULENT HEAT TRANSFER IN RECTANGULAR DUCTS WITH 180
DEGREE BEND"
HEAT TRANSFER 1974, VOL.2, JAPAN SOCIETY OF MECHANICAL
ENGINEERS, TOKYO, 1974, PP.169-172
162089 1974 VIHTC COILED TUBE
1FORCECONV

YANG;W.J.
"MOMENTUM, HEAT, AND MASS TRANSFER IN LOGARITHMIC SPIRAL
FLOWS OF INCOMPRESSIBLE VISCOUS FLOW"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.7,
1964, PP.1123-1139
162063 1964 IJHMT COILED TUBE
1FORCECONV

YANG;W.J.

"POSSIBLE SIMILARITY SOLUTIONS FOR HEAT AND MASS TRANSFER
EQUATIONS IN LOGARITHMIC SPIRAL FLOWS"
JOURNAL OF APPLIED MECHANICS, VOL.32, 1965, PP.454-456
162064 1965 ** COILED TUBE
1FORCECONV

ZAHN;W.R.
"FLOW CONDITIONS WHEN EVAPORATING REFRIGERANT 22 IN AIR-
CONDITIONING COILS"
TRANSACTIONS OF ASHRAE, VOL. 72, 1966, PP. 82-89
162066 1966 ASHRAE COILED TUBE
1FORCECONV

ZAITSSEV;A.A.
"HEAT TRANSFER AND RESISTANCE IN CURVED TUBES AND CHANNELS
AT LOW FLUID DISCHARGES"
TEPLO-I MASSOGBMEN V KHIMICHESKOI TEKHNologii KAZAN, NO.7,
1979, PP.35-39
162134 1979 ** COILED TUBE
1FORCECONV

ZALESKI;T. KRAJEWSKI;J.
"METHOD OF CALCULATION OF SPIRAL HEAT EXCHANGERS"
INZYNIERIA CHEMICZNA, VOL.2, 1972, PP.35-51
162068 1972 ** COILED TUBE
1FORCECONV

ZAPRYANOV;Z. CHRISTOV;C. TOSHEV;E.
"FULLY DEVELOPED LAMINAR FLOW AND HEAT TRANSFER IN CURVED
TUBES"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.23,
1980, PP.873-880
162125 1980 IJHMT COILED TUBE
1FORCECONV

COILED TUBES — FLOW BOILING

- ALAD'EV;I.T. KOVALEVSKII;V.B. MIROPOLSKII;Z.L.
RZAEV;A.I.
"HEAT TRANSFER TO VAPOUR-LIQUID MIXTURES FLOWING IN CURVED
TUBES AT HEAT FLUXES ABOVE CRITICAL"
THERMAL ENGINEERING, VOL.22. NO.9, 1975, PP.86-89
164001 1975 TENG COILED TUBE
FLOBOIL
- ALAD'EV;I.T. GORLOV;I.G. RZAEV;A.I.
"HEAT TRANSFER AND HYDRAULIC RESISTANCE DURING POTASSIUM
BOILING IN COILED TUBES"
TEPLO-I MASSOPPERENUS PRI FAZOV. PREVRASHCHENIVAKH, 1974,
PP.48-62
164042 1974 ** COILED TUBE
FLOBOIL
- ALAD'YEV;I.T. PETROV;V.I. RZAYEV;A.I.
KHUDYAKOV;V.F.
"HEAT TRANSFER IN A SODIUM-POTASSIUM HEAT EXCHANGER
(POTASSIUM BOILER) MADE OF HELICALLY-COILED TUBES"
HEAT TRANSFER - SOVIET RESEARCH, VOL.8, NO.3, 1976, PP.1-16
164022 1976 HTSR COILED TUBE
FLOBOIL
- ALAD'YEV;I.T. VALIK;M.K. PETROV;V.I.
RZAYEV;A.I.
"BOILING HEAT TRANSFER WITH LOW-PRESSURE WATER FLOW IN
STRAIGHT AND COILED TUBES"
HEAT TRANSFER-SOVIET RESEARCH, VOL.11, NO.4, 1979, PP.1-12.
164041 1979 HTSR COILED TUBE
FLOBOIL
- ALADIEV;I.T. PETROV;V.I. RZAEV;A.I.
KHUDIAKOV;V.F.
"INVESTIGATION OF HEAT TRANSFER TO POTASSIUM IN COIL TUBES
AND SODIUM-POTASSIUM COIL TUBES GENERATOR"
HEAT TRANSFER 1974, VOL. IV, 1974, THE JAPAN SOCIETY OF
MECHANICAL ENGINEERS, TOKYO, PP.330-334
164021 1974 VIHTC COILED TUBE
FLOBOIL
- BAERIN;V.P. SEVASTYANOV;R.J. ALADIEV;I.T.
KHUDYAKOV;V.F. TKACHEV;V.A.
"CRITICAL HEAT FLUXES IN TUBULAR COILS"
HEAT TRANSFER-SOVIET RESEARCH, VOL.3, NO.4, 1971, PP.85-90
164023 1971 HTSR COILED TUBE
FLOBOIL
- BARSKII;M.A. CHUKHMAN;G.I.
"STUDY OF HEAT TRANSFER IN BOILING FREONS IN SPIRAL TUBES"
KHOLODIL'NAYA TEKHNIKA, NO.2, 1971, PP.18-21.
164035 1971 ** COILED TUBE
FLOBOIL
- BELL;K.J. OWHADI;A.
"LOCAL HEAT TRANSFER MEASUREMENTS DURING FORCED CONVECTION
BOILING IN HELICALLY COILED TUBE"
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS,
VOL.184, PART 3C, 1969-1970, PP.52-58
164024 1969 1970 PIME
COILED TUBE FLOBOIL
- BIANCHI;G. CUMO;M.
"HEAT TRANSFER AND PRESSURE DROP IN ONCE-THROUGH STEAM
GENERATORS"
HEAT AND MASS TRANSFER SOURCEBOOK: FIFTH ALL-UNION
CONFERENCE, MINSK, 1976, SCRIPPA BOOK COMPANY: WASHINGTON,
D.C., 1977, PP.120-133
164040 1977 ** COILED TUBE
FLOBOIL
- CAMPOLUNGH;F. CUMO;M. FERRARI;G.
PALAZZI;G.
"FULL SCALE TESTS AND THERMAL DESIGN CORRELATIONS FOR COILED
ONCE-THROUGH STEAM GENERATOR"
COMITATO NAZIONALE ENERGIA NUCLEARE, RT/ING(75)11, 1975
AICHE SYMPOSIUM SERIES, VOL.73, NO.164, 1977, PP.215-222
164025 1975 ** COILED TUBE
FLOBOIL
- CARTER;H.R. JOHNSON;L.E. WATSON;G.E.
"FUNCTIONAL PERFORMANCE OF A TWO-TUBE HELICALLY COILED ONCE-
THROUGH STEAM GENERATOR"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.76-WA/HT-
69, 1976
164026 1976 ASME COILED TUBE
FLOBOIL
- CARVER;J.R. KAKARALA;C.R. SLOTNIK;J.S.
"HEAT TRANSFER IN COILED TUBES IN TWO-PHASE FLOW"
BABCOCK AND WILCOX COMPANY RESEARCH REPORT 4438, JULY 1964
164027 1964 ** COILED TUBE
FLOBOIL
- CHUKHMAN;G.I.
"THE INTERNAL HEAT TRANSFER IN EVAPORATIVE AIR COOLERS WITH
FLOW TURBULIZATION"
HEAT TRANSFER - SOVIET RESEARCH, VOL.4, NO.4, 1972, PP.67-70
164002 1972 HTSR COILED TUBE
FLOBOIL
- CRAIN JR.;B. BELL;K.J.
"FORCED CONVECTION HEAT TRANSFER TO A TWO-PHASE MIXTURE OF
WATER AND STEAM IN A HELICAL COIL"
AMERICAN INSTITUTE OF CHEMICAL ENGINEERS SYMPOSIUM SERIES,
VOL.69, NO.131, 1973, PP.30-36
164028 1972 AICHESS COILED TUBE
FLOBOIL
- CRAIN JR.;B.
"FORCED CONVECTION HEAT TRANSFER TO A TWO-PHASE MIXTURE OF
WATER AND STEAM IN HELICAL FLOW"
PH.D. THESIS IN CHEMICAL ENGINEERING, OKLAHOMA STATE
UNIVERSITY, 1973
164029 1973 ** COILED TUBE
FLOBOIL
- CUMC;M. FARELLO;G.E. FERRARI;G.
PALAZZI;G.
"THE INFLUENCE OF CURVATURE IN POST DRY-OUT HEAT TRANSFER"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.15,
1972, PP.2045-2065
164003 1972 IJHMT COILED TUBE
FLOBOIL
- CUMC;M. FARELLO;G.E. FERRARI;G.
"INFLUENCE OF CURVATURE IN POST-DRYOUT HEAT TRANSFER"
LA TERMOTECNICA, VOL.XXVI, 1972, PP.129-142
164034 1972 ** COILED TUBE
FLOBOIL
- DE LA HARPE;A. LEHONGRE;S. MOLLARD;J.
JOHANNES;C.
"BOILING HEAT TRANSFER AND PRESSURE DROP OF LIQUID HELIUM-I
UNDER FORCED CIRCULATION IN A HELICALLY COILED TUBE"
ADVANCES IN CRYOGENIC ENGINEERING, VOL.14, 1969, PP.170-177
164004 1969 ** COILED TUBE
FLOBOIL
- DUCHATELLE L; DE NUCEZE;L. ROBIN;M.G.
"DEPARTURE FROM NUCLEATE BOILING IN HELICAL TUBES OF LIQUID
METAL HEATED STEAM GENERATORS"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.
73-HT-57, 1973
164043 1973 ASME COILED TUBE
FLOBOIL NHC
- DUCHATELLE;L. DE NUCEZE;L. ROBIN;M.G.
"HEAT TRANSFER IN HELICAL TUBE SODIUM HEATED STEAM
GENERATORS"
INTERNATIONAL SEMINAR ON FUTURE ENERGY PRODUCTION (HEAT AND
MASS TRANSFER PROBLEMS), DUBROVNIK, YUGOSLAVIA, HEMISPHERE
PUBLISHING COMPANY: WASHINGTON, D.C., 1976, VOL.1, PP.269-28
164038 1976 ** COILED TUBE
FLOBOIL
- FISHER;S.A. YU;S.K.W.
"DRYOUT IN SERPENTINE EVAPORATORS"
INTERNATIONAL JOURNAL OF MULTIPHASE FLOW, VOL.1, 1975,
PP.771-791
164005 1975 ** COILED TUBE
FLOBOIL

- GILLI;P.V.
"HEAT TRANSFER CHARACTERISTICS OF HELICAL TUBE BUNDLES AS
USED IN STEAM GENERATORS OF GAS COOLED REACTORS"
THIRD INTERNATIONAL CONFERENCE ON THE PEACEFUL USES OF
ATOMIC ENERGY, GENEVA, 1964, PAPER NG.A/CONF.28/P/519
164006 1964 ** COILED TUBE
FLOBOIL
- GORLOV;I.G. RZAEV;A.I.
"FEATURES OF HYDRODYNAMICS AND HEAT EXCHANGE DURING THE FLOW
OF LIQUIDS IN HELICALLY COILED TUBES"
HEAT TRANSFER - SOVIET RESEARCH, VOL.4, NO.5, 1972, PP.60-88
164007 1972 HTSR COILED TUBE
FLOBOIL
- GRILIKHES;V.A. SYRTSOV;L.A. GRISHUTIN;M.M.
FOMENKO;V.M. CHEKASKII;R.L. FOMENKO;A.F.
"BOILING HEAT TRANSFER IN COIL FLOWS OF SUBCOOLED DIPHENYL
MIXTURES"
IZVESTIA VYSSH. UCHEBN ZAVED ENERGETIKA, NO.8, 1976,
PP.85-90
164036 1976 ** COILED TUBE
FLOBOIL
- HENDRICKS;R.C. SIMON;F.F.
"HEAT TRANSFER TO HYDROGEN FLOWING IN A CURVED TUBE"
MULTI-PHASE FLOW SYMPOSIUM, AMERICAN SOCIETY OF MECHANICAL
ENGINEERS, NEW YORK, 1963, PP.90-93
164008 1973 ASME COILED TUBE
FLOBOIL
- HUGHES;T.G. OLSON;D.R.
"CRITICAL HEAT FLUXES FOR CURVED SURFACES DURING SUBCOOLED
FLOW BOILING"
TRANSACTIONS OF THE CANADIAN SOCIETY OF MECHANICAL
ENGINEERS, VOL.3, NO.3, 1975, PP.122-130
164009 1975 ** COILED TUBE
FLOBOIL
- ISHIDA;K.
"TWO-PHASE FLOW HEAT TRANSFER IN HELICALLY-COILED TUBES"
PH.D. THESIS IN MECHANICAL ENGINEERING, UNIVERSITY OF
LONDON, UNITED KINGDOM, 1981
164049 1981 ** COILED TUBE
FLOBOIL
NHC
- ISSHIKI;N. TAKADA;Y. TAMAKI;H.
NARIAI;H. IRIE;M. KOSEKI;M.
AKIYAMA;H. FURUKAWA;T.
"EXPERIMENT OF TWO PHASE BOILING HEAT TRANSFER INSIDE
CURVED TUBES"
ABSTRACTS OF ENGINEERING SYMPOSIUM NO.782, THE JAPAN SOCIETY
OF MECHANICAL ENGINEERS, 1968, PP.89-92
164030 1968 ** COILED TUBE
FLOBOIL
- JENSEN;M.K. BERGLES;A.E.
"CRITICAL HEAT FLUX IN HELICALLY COILED TUBES"
JOURNAL OF HEAT TRANSFER, VOL. 103, 1981, PP. 660-666.
164046 1981 JHT COILED TUBE
FLOBOIL
- JENSEN;M.K. BERGLES;A.K.
"CRITICAL HEAT FLUX IN HELICAL COILS WITH A CIRCUMFERENTIAL
HEAT FLUX TILT TOWARDS THE OUTSIDE SURFACE"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.25, 1982
PP.1363-1395
164050 1982 IJHMT COILED TUBE
FLOBOIL
- KOMAREV;V.S. AVDEYEV;Y.S.
"EXPERIMENTAL DATA ON HEAT TRANSFER AND HYDRODYNAMICS OF
TWO-PHASE FLOW OF FREON-22 IN HORIZONTAL COILED-TUBE BANKS"
HEAT TRANSFER-SOVIET RESEARCH, VOL.11, NO.2, 1979, PP.66-73.
164044 1979 HTSR COILED TUBE
FLOBOIL
- KOZEKI;M.
"FILM THICKNESS AND FLOW BOILING FOR TWO-PHASE ANNULAR FLOW
IN HELICALLY COILED TUBE"
- PROCEEDINGS INTERNATIONAL MEETING ON REACTOR HEAT TRANSFER,
GESELLSCHAFT FUER KERNFORSCHUNG, KARLSRUHE, 1973, PP.13-38
164031 1973 ** COILED TUBE
FLOBOIL
- KOZEKI;M.
"BOILING HEAT TRANSFER IN CURVED TUBE"
MITSUI SHIPBUILDING AND ENGINEERING CO., LTD., TSUKIJI,
CHUO-KU, TOKYO, JAPAN, 1968
164010 1968 ** COILED TUBE
FLOBOIL
- KOZEKI;M. NARIAI;H. FURUKAWA;T.
KUROSU;K.
"A STUDY OF HELICALLY COILED ONCE THROUGH STEAM GENERATOR"
BULLETIN OF THE JAPANESE SOCIETY OF MECHANICAL ENGINEERS,
VOL.13, NO.66, 1970, PP.1485-1494
164012 1970 BJSME COILED TUBE
FLOBOIL
- KUBAIR;V.G. KUMARESAN;R.
"PRESSURE DROP AND HEAT TRANSFER TO WATER BOILING IN ONCE-
THROUGH HELICAL COIL HEAT EXCHANGERS"
PROCEEDINGS FIFTH NATIONAL HEAT AND MASS TRANSFER
CONFERENCE, HYDERABAD, INDIA, FEBRUARY 1980
164048 1980 ** COILED TUBE
FLOBOIL
NHC
- LACEY;P.M.C.
"DISCUSSION ON REGIMES OF DETERIORATED HEAT TRANSFER AT
FORCED FLOW OF FLUIDS IN CURVILINEAR CHANNELS BY MIROPOLSKIY
ET AL."
THIRD INTERNATIONAL HEAT TRANSFER CONFERENCE, AIChE: NEW
YORK, VOL.6, 1967, PP.137-139
164013 1967 IIIIHTC COILED TUBE
FLOBOIL
- MIROPOL'SKIY;Z.L. PIKUS;V.Y.
"CRITICAL BOILING HEAT FLUXES IN CURVED CHANNELS"
HEAT TRANSFER - SOVIET RESEARCH, VOL.1, NO.1, 1969, PP.74-79
164014 1969 HTSR COILED TUBE
FLOBOIL
- MIROPOLSKIY;Z.L. PIKUS;V.Y. SHITSMAN;M.E.
"REGIMES OF DETERIORATED HEAT TRANSFER AT FORCED FLOW OF
FLUIDS IN CURVILINEAR CHANNELS"
PROCEEDINGS OF THE THIRD INTERNATIONAL HEAT TRANSFER
CONFERENCE, CHICAGO, ILLINOIS, 1966, PREPARED BY THE
AMERICAN INSTITUTE OF CHEMICAL ENGINEERS, VOL.2, 1966,
PP.95-101.
164015 1966 IIIIHTC COILED TUBE
FLOBOIL
- NAITOH;M. NAKAMURA;A. OGASAWARA;A.
"DRYOUT IN HELICALLY COILED TUBE OF SODIUM HEATED STEAM
GENERATOR"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.74-WA/HT-
48, 1974
164039 1974 ASME COILED TUBE
FLOBOIL
- OWHADI;A. BELL;J.K.
"FORCED CONVECTION BOILING INSIDE HELICALLY-COILED TUBES"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.10,
1967, PP.397-401
164032 1967 IJHMT COILED TUBE
FLOBOIL
- OWHADI;A. BELL;K.J. CRAIN JR.;B.
"FORCED CONVECTION BOILING INSIDE HELICALLY-COILED TUBES"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.11,
1968, PP.1779-1794
164033 1968 IJHMT COILED TUBE
FLOBOIL
- OWHADI;A.
"BOILING IN SELF-INDUCED RADIAL ACCELERATION FIELDS"
PH.D. DISSERTATION, OKLAHOMA STATE UNIVERSITY, 1966
164016 1966 ** COILED TUBE
FLOBOIL

RYZHKOV;S.V. ERSHOV;V.V. ALBANTOV;A.K.
 "INVESTIGATION OF HEAT AND MASS TRANSFER WITH FLOW OF
 DISPERSED GAS/LIQUID MIXTURE IN A CURVILINEAR SEPARATING
 CHANNEL"
 THERMAL ENGINEERING, VOL.21, NO.9, 1970, PP.113-117
 164017 1974 TENG COILED TUBE
 FLOBOIL

SEROV;E.P. SMIRNOV;O.K. POLONSKII;V.S.
 "EXPERIMENTAL STUDY OF TEMPERATURE CONDITIONS IN BENT STEAM
 GENERATING TUBES"
 THERMAL ENGINEERING, VOL.13, NO.12, 1966, PP.97-100
 164018 1966 TENG COILED TUBE
 FLOBOIL

SHEN;C.C. CLEMENTS;L.D.
 "TURBULENT DEVELOPING TWO-PHASE FLOWS IN HELICAL TUBES"
 MULTIPHASE TRANSPORT FUNDAMENTALS, REACTOR SAFETY,
 APPLICATIONS, HEMISPHERE PUBLISHING CORPORATION, WASHINGTON,
 1979, PP.85-109.
 164045 1979 ** COILED TUBE
 FLOBOIL

SUBBOTIN;V.I. KAZNOVSKIY;S.P. SAPANKEVICH;A.P.
 "AN EXPERIMENTAL STUDY OF METHODS FOR AUGMENTING THE
 CRITICAL CAPACITY OF STEAM-GENERATING TUBES"
 HEAT TRANSFER - SOVIET RESEARCH, VOL.7, NO.5, 1975, PP.85-95
 054011 1975 HTSR SWIRLFLO
 FLOBOIL ROUGH SURF EXTENDED SURF COILED TUBE

UENAL;H.C. VAN GASSELT;M.L.G. VAN'T VERLAAT;P.M.

"DRYOUT AND TWO-PHASE FLOW PRESSURE DROP IN SODIUM HEATED
 HELICALLY COILED STEAM GENERATOR TUBES AT ELEVATED
 PRESSURES"
 INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL. 24,
 1981, PP. 285-298.
 164047 1981 IJHMT COILED TUBE
 FLOBOIL

WATSON;G.B.
 "FUNCTIONAL PERFORMANCE OF THE HELICAL COIL STEAM GENERATOR,
 CONSOLIDATED NUCLEAR STEAM GENERATOR (CNSG) IV SYSTEM"
 UNITED STATES DEPARTMENT OF COMMERCE PUBLICATION, MA-RD-920-
 76018, OCTOBER 1975
 164019 1975 ** COILED TUBE
 FLOBOIL
 NHC

YUDOVICH;A.
 "FORCED CONVECTION BOILING IN A COIL"
 M.S. THESIS, OKLAHOMA STATE UNIVERSITY, 1966
 164020 1966 ** COILED TUBE
 FLOBOIL

YUSUFCA;V.D. BRONSHTEIN;A.I.
 "HEAT TRANSFER CRISIS DURING THE BOILING OF A SODIUM
 CHLORIDE SOLUTION IN A COILED TUBE"
 SBORNIK TRUDOV - ENERGETICHESKII INSTITUT IMENI G.M.
 DRZHIZHANOVSKAGO, 1974, PP.49-54.
 164037 1974 ** COILED TUBE
 FLOBOIL

COILED TUBES — CONDENSATION

EOKHANOVSKIY;Y.G.

"HEAT TRANSFER FROM FREON-12, FREON-22 AND THEIR MIXTURES IN A COILED-TUBE CONDENSER"

HEAT TRANSFER-SOVIET RESEARCH, VOL. 12, NO. 4, 1980, PP. 43-45.

165006 1980 HTSR COILED TUBE
CONDENSATION

MASLIYAH;J.H. NANDAKUMAR;K.

"FULLY DEVELOPED VISCOUS FLOW AND HEAT TRANSFER IN CURVED SEMICIRCULAR SECTORS"

AMERICAN INSTITUTE OF CHEMICAL ENGINEERS JOURNAL, VOL.25, NO.3, 1979, PP.476-487.

165004 1979 AIChE J COILED TUBE
CONDENSATION

MIROPOL'SKIY;Z.L. PIKUS;V.J.

"HEAT TRANSFER WITH CONDENSATION OF STEAM WITHIN COILS" THERMAL ENGINEERING, VOL.22, NO.5, PP.111-114

165001 1975 TENG COILED TUBE
CONDENSATION

NARIAI;H.

KOZEKI;M.

"EXPERIMENTAL REPORT ON TWO-PHASE FLOW CONDENSATION HEAT TRANSFER IN COILED TUBES"

PROCEEDINGS OF THE 6TH JAPANESE HEAT TRANSFER SYMPOSIUM, MAY 1969

165005 1969 ** COILED TUBE
CONDENSATION

SHKLOVER;G.G.

"HEAT TRANSFER OF MOVING STEAM IN COIL-TYPE HEAT EXCHANGERS" TEPLONERGETIKA, VOL.10, NO.5, 1963, PP.62-63

165002 1963 TE COILED TUBE
CONDENSATION

YAMASHITA;T.

"HEAT TRANSFER OF SHELL-AND-COIL CONDENSER"

HEAT TRANSFER - JAPANESE RESEARCH, VOL. 1, NO. 3, 1972, PP. 8-16

165003 1972 HTJR COILED TUBE
CONDENSATION

COILED TUBES — MASS TRANSFER

- BERGER;S.A. TALEOT;L. YAC;L.-S.
 "FLOW IN CURVED PIPES"
 ANNUAL REVIEW OF FLUID MECHANICS, VOL.15, 1963, PP.
 461-512
 166006 1983 ** COILED TUBE
 MASSTRAN
- CHANG;H.K. MOCKROS;L.F.
 "CONVECTIVE DISPERSION OF ELUOD GASES IN CURVED CHANNEL
 EXCHANGERS"
 AMERICAN INSTITUTE OF CHEMICAL ENGINEERS JOURNAL, VOL.17,
 1971, PP.541-549
 166002 1971 AICHEJ COILED TUBE
 MASSTRAN
- DZUBENKO;B.V. VILEMAS;Y.V. ASMANTAS;L.A.
 "STIRRING THE HEAT CARRIER IN A HEAT EXCHANGER BY TWISTING
 THE STREAM"
 JOURNAL OF ENGINEERING PHYSICS, VOL.40, 1981, PP.463-468
 166006 1981 JEP COILED TUBE
 MASSTRAN
- DZUBENKO;B.V.
 "INVESTIGATION OF THE TRANSFER PROPERTIES OF A STREAM IN A
 HEAT EXCHANGER WITH SPIRAL TUBES"
 JOURNAL OF ENGINEERING PHYSICS, VOL.36, NO.6, 1980, PP.
 589-593
 166007 1980 JEP COILED TUBE
 MASSTRAN
- HUGGETT;R. KING;P.J.
 "HELICAL COIL DISTILLATION COLUMNS, PART III: DESIGN AND
 TESTING OF A SEVEN-COIL UNIT"
 TRANSACTIONS OF THE INSTITUTE OF CHEMICAL ENGINEERS, VOL.46,
 1968, PP.T101-T105
- 166005 1968 ** COILED TUBE
 MASSTRAN
- KALB;C.E. SEADER;J.D.
 "HEAT AND MASS TRANSFER PHENOMENA FOR VISCOUS FLOW IN CURVED
 CIRCULAR TUBES"
 INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.15,
 1972, PP.801-818
 162106 1972 IJHMT COILED TUBE
 IFORCECONV MASSTRAN
- MORTON;F. KING;P.J. MC LAUGHLIN;A.
 "HELICAL-COIL DISTILLATION COLUMNS, PART II: LIQUID FILM
 RESISTANCE"
 TRANSACTIONS OF THE INSTITUTION OF CHEMICAL ENGINEERS, VOL.
 42, 1964, PP.T296-T304
 166004 1964 ** COILED TUBE
 MASSTRAN
- MORTON;F. KING;P.J. MC LAUGHLIN;A.
 "HELICAL-COIL DISTILLATION COLUMNS, PART I: EFFICIENCY
 STUDIES"
 TRANSACTIONS OF THE INSTITUTION OF CHEMICAL ENGINEERS,
 VOL.42, 1964, PP.T285-T295
 166003 1964 ** COILED TUBE
 MASSTRAN
- WEISSMANN;M.H. MOCKROS;L.F.
 "GAS TRANSFER TO BLOOD FLOWING IN COILED CIRCULAR TUBES"
 JOURNAL OF THE ENGINEERING MECHANICS DIVISION, PROCEEDINGS
 AMERICAN SOCIETY OF CIVIL ENGINEERS, VOL. E4, NO. EM3,
 1968, PP. 857-872
 166001 1968 ** COILED TUBE
 MASSTRAN

SURFACE TENSION DEVICES — POOL BOILING

AFANAS'YEV;B.A. ZRODNIKOV;V.V. KOBA;A.L.
 SNIRNOV;T.F. PIMENOV;A.K.
 "BOILING HEAT TRANSFER IN SLOTS, CAPILLARY AND IN CAPILLARY
 AND IN CAPILLARY-POROUS (WICK) STRUCTURES"
 HEAT TRANSFER-SOVIET RESEARCH, VOL. 12, NO. 2, 1980,
 PP. 70-78.
 013096 1980 HTSR TREATSURF
 POOLBOIL SURFTENSION

ALLINGHAM;W.D. MC ENTIRE;J.A.
 "DETERMINATION OF BOILING FILM COEFFICIENT FOR A HEATED
 HORIZONTAL TUBE IN WATER-SATURATED WICK MATERIAL"
 JOURNAL OF HEAT TRANSFER, VOL.83, 1961, PP.71-76
 063001 1961 JHT SURFTENSION
 POOLBOIL

ASAKAVICIUS;J. GAIGALIS;V. EVA;V.
 "TRANSPORT CHARACTERISTICS AND SOME OPERATING FEATURES OF A
 HEAT PIPE WITH WATER, METHANOL, AND FREON-113"
 FIFTH NATIONAL CONFERENCE ON HEAT AND MASS TRANSFER, MINSK,
 USSR, 1976, ABSTRACTED IN HEAT AND MASS TRANSFER SOURCEBOOK,
 SCRIPTA PUBLISHING COMPANY, 1977, P. 364
 063013 1976 ** SURFTENSION
 POOLBOIL

BRESSLER;R.G. WYATT;P.W.
 "SURFACE WETTING THROUGH CAPILLARY GROOVES"
 JOURNAL OF HEAT TRANSFER, VOL.92, 1970, PP.126-132
 063005 1970 JHT SURFTENSION
 POOLBOIL

EUSSE;C.A.
 "THEORY OF THE ULTIMATE HEAT TRANSFER LIMIT OF CYLINDRICAL
 HEAT PIPES"
 INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.16,
 1973, PP.169-186
 063006 1973 IJHMT SURFTENSION
 POOLBOIL

CORMAN;J.C. MC LAUGHLIN;M.H.
 "BOILING AUGMENTATION WITH STRUCTURED SURFACES"
 PREPRINTED AND PRESENTED AT ASHRAE SEMI-ANNUAL MEETING,
 DALLAS, 1976, ASHRAE TRANSACTIONS, VOL. 82, PART 1, 1976,
 PP.906-918
 063007 1976 ASHRAE SURFTENSION
 EXTENDED SURF POOLBOIL

COSTELLO;C.P. REDEKER;E.R.
 "BOILING HEAT TRANSFER AND MAXIMUM HEAT FLUX FOR A SURFACE
 WITH COOLANT SUPPLIED BY CAPILLARY WICKING"
 CHEMICAL ENGINEERING PROGRESS SYMPOSIUM SERIES, VOL.59, NO.

41, 1963, PP.104-113
 063002 1963 CEPSS SURFTENSION
 POOLBOIL

COSTELLO;C.P. FREA;W.J.
 "THE ROLE OF CAPILLARY WICKING AND SURFACE DEPOSITS IN THE
 ATTAINMENT OF HIGH POOL BURNOUT HEAT FLUXES"
 AMERICAN INSTITUTE OF CHEMICAL ENGINEERS JOURNAL, VOL.10,
 1964, PP.393-398
 063003 1964 AICHEJ SURFTENSION
 POOLBOIL

FIVEL;H.J.
 "LIQUID METAL HEAT PIPE PERFORMANCE IN THE PRESENCE OF A
 TRANSVERSE MAGNETIC FIELD"
 AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.78-ENAS-20
 1978
 143001 1978 ASME COMPOUNDTECH
 POOLBOIL SURFTENSION ELECTROFIELD

GILL;R.S.
 "POOL BOILING IN THE PRESENCE OF CAPILLARY WICKING
 MATERIALS"
 S.M. THESIS IN MECHANICAL ENGINEERING, MASSACHUSETTS
 INSTITUTE OF TECHNOLOGY, 1967
 063004 1967 MIT SURFTENSION
 POOLBOIL

JONES;T.E.
 "ELECTROHYDRODYNAMIC HEAT PIPES"
 INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.16,
 1973, PP.1045-1048
 123008 1973 IJHMT SURFTENSION
 ELECTROFIELD POOLBOIL COMPOUNDTECH

KOKORIN;O.Y. KARPIS;L.E.
 "RESULTS OF AN EXPERIMENTAL INVESTIGATION INTO HEAT RECOVERY
 HEAT EXCHANGERS COMPRISING WICKLESS HEAT PIPES"
 VODOS.SANIT.TEKN., VOL.76, NO.4, 1977, PP.12-14
 063012 1977 ** SURFTENSION
 POOLBOIL

SURFACE TENSION DEVICES — FLOW BOILING

MACBETH;R.V.

"BOILING ON SURFACES OVERLAYED WITH A POROUS DEPOSIT: HEAT
TRANSFER RATES OBTAINABLE BY CAPILLARY ACTION"
ATOMIC ENERGY ESTABLISHMENT WINFRITH REPORT NO.AEEW R711,

JUNE 1971

014010
FLOBOIL

1971
SURFTENSION

AEEW

TREATSURF

ADDITIVES FOR LIQUIDS — NATURAL CONVECTION

HART;W.F.

"HEAT TRANSFER IN BUBBLE-AGITATED SYSTEMS - A GENERAL CORRELATION"

INDUSTRIAL AND ENGINEERING CHEMISTRY, PROCESS DESIGN AND DEVELOPMENT, VOL.15, 1976, PP.109-114.

071004 1976 IEC ADDFORLIQUIDS
1NATCONV

KATZ;L.

"NATURAL CONVECTION HEAT TRANSFER WITH FLUIDS USING SUSPENDED PARTICLES WHICH UNDERGO PHASE CHANGE"

PH.D. THESIS IN MECHANICAL ENGINEERING, MASSACHUSETTS

INSTITUTE OF TECHNOLOGY, 1967

071001 1967 MIT ADDFORLIQUIDS
1NATCONV

TAMARI;M. NISHIKAWA;K.

"THE STIRRING EFFECT OF BUBBLES UPON THE HEAT TRANSFER TO LIQUIDS"

HEAT TRANSFER - JAPANESE RESEARCH, VOL.5, NO.2, 1976, PP.31-44

071003 1976 HTJR ADDFORLIQUIDS
1NATCONV

ADDITIVES FOR LIQUIDS — FORCED CONVECTION

- AHUJA;A.
"AUGMENTATION OF HEAT AND MASS TRANSPORT IN FLOWING PARTICLE
SUSPENSIONS: A DIMENSIONAL ANALYSIS"
JOURNAL OF APPLIED PHYSICS, VOL.47, 1976, PP.775-777
092052 1976 ** ADDFORLIQUIDS
1FORCECONV MASSTRAN
- AHUJA;A.S.
"THERMAL DESIGN OF A HEAT EXCHANGER EMPLOYING LAMINAR FLOW
OF PARTICLE SUSPENSIONS"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.25,
1982, PP.725-728
072014 1982 IJHMT ADDFORLIQUIDS
1FORCECONV
- BAKER;E.
"LIQUID IMMERSION COOLING OF SMALL ELECTRONIC DEVICES"
MICROELECTRONICS AND RELIABILITY, VOL.12, 1973, PP.163-173
072011 1973 ** ADDFORLIQUIDS
1FORCECONV
- BRANDON;C.A. THOMAS;D.G.
"TRANSPORT CHARACTERISTICS OF SUSPENSIONS. PART X. EFFECT OF
PARTICLE DIAMETER AND FLUID VELOCITY ON THE INTERACTION OF
PARTICLES WITH FLUID NEAR A WALL"
HEAT TRANSFER 1970, VOL.VII, PAPER CT2.1, ELSEVIER
PUBLISHING CO., AMSTERDAM, 1970
072005 1970 IJHMT ADDFORLIQUIDS
1FORCECONV
- CHASHCHIN;I.P. P'YANKOV;A.G.
"EFFECT OF POLYMER ADDITIVES ON HEAT TRANSFER AND HYDRAULIC
RESISTANCES IN A STREAM OF ORGANIC LIQUIDS"
CHEMICAL AND PETROLEUM ENGINEERING, VOL.11, NO.4, 1975, P.
321
072006 1975 ** ADDFORLIQUIDS
1FORCECONV
- DAVIES;J.T. SHAWKI;A.M.
"HEAT TRANSFER FROM TURBULENT FALLING FILMS OF WATER AND
NON-NEWTONIAN SOLUTIONS, ON SMOOTH AND ON RIDGED PLATES"
CHEMICAL ENGINEERING SCIENCE, VOL. 29, 1974, PP. 1801-1806.
022297 1974 CES ROUGH SURF
1FORCECONV ADDFORLIQUIDS
- IOSELEVICH;V.A. PILIPENKO;V.N.
"CONVECTIVE HEAT TRANSFER IN TURBULENT FLOWS WITH POLYMER
ADDITIVES"
ABSTRACTS OF PAPER AND COMMUNICATIONS SUBMITTED TO THE FIFTH
ALL UNION HEAT AND MASS TRANSFER CONFERENCE, LUKOV HEAT AND
MASS TRANSFER INSTITUTE, MINSK, PP.149-150
072007 1976 ** ADDFORLIQUIDS
1FORCECONV
- KENNING;D.B.R. KAO;Y.S.
"CONVECTIVE HEAT TRANSFER TO WATER CONTAINING BUBBLES:
ENHANCEMENT NOT DEPENDENT ON THERMOCAPILLARITY"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.15,
1972, PP.1709-1716
072001 1972 IJHMT ADDFORLIQUIDS
1FORCECONV
- KHOLPANCY;L.P. MALYUSOV;V.A. ZHAVORONKOV;N.M.
"THE HYDRODYNAMICS AND HEAT AND MASS TRANSFER IN A LIQUID
FILM IN THE PRESENCE OF A GAS STREAM OR OF SURFACE TENSION"
THEORETICAL FOUNDATIONS OF CHEMICAL ENGINEERING, VOL.16,
NO.3, 1962, PP.201-207
072010 1982 ** ADDFORLIQUIDS
1FORCECONV
- KOFANOV;V.J.
"HEAT TRANSFER AND HYDRAULIC RESISTANCE IN FLOWING LIQUID
SUSPENSIONS IN PIPING"
INTERNATIONAL CHEMICAL ENGINEERING, VOL.4, 1964, PP.426-430
072004 1964 ICE ADDFORLIQUIDS
1FORCECONV
- KONNO;H. HARADA;E. TODA;M.
KURIYAMA;M. ASANO;M.
"HEAT TRANSFER FROM A SOLID-LIQUID MIXTURES IN A VERTICAL
DOWNWARD FLOW"
- HEAT TRANSFER - JAPANESE RESEARCH, VOL.9, NO.2, 1980,
PP.1-21
072016 1980 HTJR ADDFORLIQUIDS
1FORCECONV
- LEVSHAKOV;A.M. NOVIKOV;A.D.
"INTENSIFICATION OF EXTERNAL HEAT EXCHANGE IN DISPERSED
SYSTEMS"
IZVESTIYA V.U.Z., ENERGETIKA, NO.7, 1977, PP.148-151
072013 1977 ** ADDFORLIQUIDS
1FORCECONV
- ROMANI;M.N. RICHARDSON;J.F.
"HEAT TRANSFER FROM IMMERSED SURFACES TO LIQUID-FLUIDIZED
BEDS"
LETTERS IN HEAT AND MASS TRANSFER, VOL.1, 1974, PP.55-62.
072009 1974 LHMT ADDFORLIQUIDS
1FORCECONV
- SAFONOV;A.I. KRYLOV;V.S.
"RELATIONSHIPS GOVERNING HEAT AND MASS TRANSFER IN
ROTATING BUBBLING BEDS"
HEAT TRANSFER - SOVIET RESEARCH, VOL.8, NO.6, 1976,
PP.42-47
142040 1976 HTSR COMPOUNDTECH
ADDFORLIQUIDS MECHAD 1FORCECONV
- SHIMADA;Y. MORI;Y.H. KOMOTORI;K.
"HEAT TRANSFER FROM A HORIZONTAL PLATE FACING UPWARD TO
SUPERPOSED LIQUID-LAYER WITH CHANGE OF PHASE"
JOURNAL OF HEAT TRANSFER, VOL.99, 1977, PP.568-573
072012 1977 JHT ADDFORLIQUIDS
1FORCECONV
- SHIMIZU;A. ECHIGO;R. HASEGAWA;S.
"IMPINGING JET HEAT TRANSFER WITH GAS SOLID SUSPENSION
MEDIUM"
ADVANCES IN ENHANCED HEAT TRANSFER, AMERICAN SOCIETY OF
MECHANICAL ENGINEERS, NEW YORK, 1979, PP.155-160.
082136 1979 ASME ADDFORGASES
1FORCECONV ADDFORLIQUIDS JETIMPINGE
- SHIMIZU;A. ECHIGO;R. HASEGAWA;S.
"IMPINGING JET HEAT TRANSFER OF GAS-SOLID SUSPENSION MEDIUM"
TRANSACTIONS OF THE JAPAN SOCIETY OF MECHANICAL ENGINEERS,
VOL.46, NO.409, 1980, PP.1760-1765
172001 1980 ** JETIMPINGE
1FORCECONV ADDFORGASES ADDFORLIQUIDS
- SHULMAN;Z.P. KORDONSKY;V.I. DEMCHUK;S.A.
"THE MECHANISM OF HEAT TRANSFER IN MAGNETORHEOLOGICAL
SYSTEMS"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.22,
1979, PP.389-394
072015 1980 IJHMT ADDFORLIQUIDS
1FORCECONV
- THOMAS;D.G.
"HEAT AND MOMENTUM TRANSPORT CHARACTERISTICS OF NON-NEWTON-
IAN AQUEOUS THORIUM OXIDE SUSPENSIONS"
AMERICAN INSTITUTE OF CHEMICAL ENGINEERS JOURNAL, VOL.6,
1960, PP.631-639
072002 1960 AICHEJ ADDFORLIQUIDS
1FORCECONV
- VASANOVA;L.K. KARPENKO;A.I. LARINOV;I.D.
SAFRONOV;S.I. LINETSKIY;V.N. CHIZEVSKAYA;Y.M.
CHULANOV;A.G.
"CERTAIN PROBLEMS OF THE UTILIZATION OF DISPERSED MEDIA
IN HEAT EXCHANGERS"
HEAT TRANSFER - SOVIET RESEARCH, VOL.8, NO.5, 1976, PP.
25-29
142039 1976 HTSR COMPOUNDTECH
JETIMPINGE ADDFORLIQUIDS 1FORCECONV
- VEENMAN;A.W.
"THE MSF/FBE: AN IMPROVED MULTI-STAGE FLASH DISTILLATION
PROCESS"
DESALINATION, VOL.19, 1976, PP.1-14
073060 1976 ** ADDFORLIQUIDS
1FORCECONV

WATKINS;R.W. ROBERTSON;C.R. ACRIVOS;A.
"ENTRANCE REGION HEAT TRANSFER IN FLOWING SUSPENSIONS"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.19,

1976, PP.693-695
072003 1976
1FORCECONV

IJHMT

ADDFORLIQUIDS

ADDITIVES FOR LIQUIDS — POOL BOILING

- AVERIN;E.R. KRUSHILIN;G.N.
 "THE INFLUENCE OF SURFACE TENSION AND VISCOSITY ON THE
 CONDITIONS OF HEAT EXCHANGE IN THE BOILING OF WATER"
 ISVESTIYA AKADEMIIA NAUK SSR. CTN NO.10, 1955, PP.131-137
 073005 1955 ** ADDFORLIQUIDS
 POOLBOIL
- BENJAMIN;J.E. WESTWATER;J.W.
 "BUBBLE GROWTH IN NUCLEATE BOILING OF A BINARY MIXTURE"
 INTERNATIONAL DEVELOPMENTS IN HEAT TRANSFER, AMERICAN
 SOCIETY OF MECHANICAL ENGINEERS, 1961, PP.212-218
 073012 1961 IIHTC ADDFORLIQUIDS
 POOLBOIL
- BERGHOLZ;R.F. BJÖRGE;R.W.
 "BUBBLE-INDUCED HEAT TRANSFER IN A HEAT GENERATING LIQUID
 LAYER"
 ADVANCES IN ENHANCED HEAT TRANSFER, AMERICAN SOCIETY OF
 MECHANICAL ENGINEERS, NEW YORK, 1979, PP.141-146.
 073046 1979 ASME ADDFORLIQUIDS
 POOLBOIL
- BONILLA;C.F. PERRY;C.W.
 "HEAT TRANSMISSION TO BOILING BINARY MIXTURES"
 TRANSACTIONS OF THE AMERICAN INSTITUTE OF CHEMICAL
 ENGINEERS, VOL.37, 1941, PP.685-705
 073003 1941 AIChE ADDFORLIQUIDS
 POOLBOIL
- CALUS;W.F. LEONIDPOPOULOS;D.J.
 "POOL BOILING-BINARY LIQUID MIXTURES"
 INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.17,
 1974, PP.249-256
 073020 1974 IJHMT ADDFORLIQUIDS
 POOLBOIL
- CARNE;M.
 "STUDIES OF THE CRITICAL HEAT-FLUX FOR SOME BINARY MIXTURES
 AND THEIR COMPONENTS"
 CANADIAN JOURNAL OF CHEMICAL ENGINEERING, VOL.41, 1963,
 PP.235-241
 073018 1963 ** ADDFORLIQUIDS
 POOLBOIL FLOBOIL
- CARNE;M.
 "SOME EFFECTS OF TEST SECTION GEOMETRY IN SATURATED POOL
 BOILING ON THE CRITICAL HEAT FLUX FOR SOME ORGANIC LIQUIDS
 AND LIQUID MIXTURES"
 AMERICAN INSTITUTE OF CHEMICAL ENGINEERS PREPRINT 6 FOR
 SEVENTH NATIONAL HEAT TRANSFER CONFERENCE, AUGUST 1964
 073024 1964 AIChE ADDFORLIQUIDS
 POOLBOIL
- CHASHCHIN;P.I. SHIGINA;L.F. SHVAB;N.S.
 SOBOL;A.D.
 "AN INVESTIGATION OF THE EFFECT OF CERTAIN ORGANIC ADDITIVES
 ON BOILING HEAT TRANSFER"
 THERMAL ENGINEERING, VOL.22, NO.8, 1975, PP.105-106
 073037 1975 TENG ADDFORLIQUIDS
 POOLBOIL
- DE UOOD;J.
 "NUCLEATE POOL BOILING OF PURE LIQUIDS, LIQUID MIXTURES AND
 POLYMER SOLUTIONS AT SUBATMOSPHERIC CONDITIONS"
 DISSERTATION, UNIVERSITY OF AMSTERDAM, THE NETHERLANDS, 1981
 073054 1981 ** ADDFORLIQUIDS
 POOLBOIL
- DOUGHERTY;R.L. SAUER;H.J.
 "NUCLEATE POOL BOILING OF REFRIGERANT-OIL MIXTURES FROM
 TUBES"
 ASHRAE TRANSACTIONS, VOL.80, PART 2, 1974, PP.175-193.
 073045 1974 ASHRAE ADDFORLIQUIDS
 POOLBOIL
- DUNSKUS;T. WESTWATER;J.W.
 "THE EFFECT OF TRACE ADDITIVES ON HEAT TRANSFER TO BOILING
 ISOPROPANOL"
 CHEMICAL ENGINEERING PROGRESS SYMPOSIUM SERIES, VOL.57,
 NO.32, 1961, PP.173-181
 073013 1961 CEPSS ADDFORLIQUIDS
 POOLBOIL
- GANNETT JR.;H.J. WILLIAMS;M.C.
 "POOL BOILING IN DILUTE NON-AQUEOUS POLYMER SOLUTIONS"
 INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.11,
 1971, PP.1001-1005
 073036 1971 IJHMT ADDFORLIQUIDS
 POOLBOIL
- GOREIS;Z.R. BERMAN;M.I.
 "EXPERIMENTAL STUDY OF BOILING ON HEATING SURFACE DURING THE
 THERMAL FLUIDIZATION OF A BED OF PARTICLES"
 JOURNAL OF ENGINEERING PHYSICS, VOL.27, 1976, PP.1049-1054
 073038 1976 JEP ADDFORLIQUIDS
 POOLBOIL
- GORBIS;Z.R. BERMAN;M.I.
 "HEAT TRANSFER IN BOILING OF LIQUIDS IN A BED OF GRANULES"
 HEAT TRANSFER - SOVIET RESEARCH, VOL.8, NO.4, 1976, PP.32-36
 073041 1976 HTSR ADDFORLIQUIDS
 POOLBOIL
- HAPPEL;O. STEPHAN;K.
 "HEAT TRANSFER FROM NUCLEATE TO THE BEGINNING OF FILM
 BOILING IN BINARY MIXTURES"
 HEAT TRANSFER 1974, VOL.IV, 1974, THE JAPAN SOCIETY OF
 MECHANICAL ENGINEERS, TOKYO, PP.340-344
 073026 1974 VIHTC ADDFORLIQUIDS
 POOLBOIL
- HUBER;D.A. HOEHNE;J.C.
 "POOL BOILING OF BENZENE, DIPHENYL AND BENZENE DIPHENYL
 MIXTURES UNDER PRESSURE"
 JOURNAL OF HEAT TRANSFER, VOL.85, 1963, PP.215-220
 073019 1963 JHT ADDFORLIQUIDS
 POOLBOIL
- INSINGER JR.;T.H. BLISS;H.
 "TRANSMISSION OF HEAT TO BOILING LIQUIDS"
 TRANSACTIONS OF THE AMERICAN INSTITUTE OF CHEMICAL
 ENGINEERS, VOL.36, 1940, PP.491-516
 073002 1940 AIChE ADDFORLIQUIDS
 POOLBOIL
- JAKOB;M. LINKE;W.
 "DER WAERMEUEBERGANG BEIM VERDAMPFEN VON FLUESSIGKEITEN AN
 SENKRECHTEN UND WAAGERECHTEN FLAECHEEN"
 PHYSIKALISCHES ZEITSCHRIFT, VOL.36, NO.35, 1935, PP.267-280
 073001 1935 ** ADDFORLIQUIDS
 POOLBOIL
- JONTZ;P.D. MYERS;J.E.
 "THE EFFECT OF DYNAMIC SURFACE TENSION ON NUCLEATE BOILING
 COEFFICIENTS"
 AMERICAN INSTITUTE OF CHEMICAL ENGINEERS JOURNAL, VOL.6,
 1960, PP.34-36
 073009 1960 AIChEJ ADDFORLIQUIDS
 POOLBOIL
- KONSTANTINOV;S.M. BEZPAL'KO;N.N.
 "INVESTIGATION OF COMPLEX INTENSIFICATION OF THE HEAT
 TRANSFER PROCESS IN BOILING SOLUTIONS"
 IZV. VYSSH. UCHEBN ZAVED ENERG., NO.4, 1976, PP.99-103
 073040 1976 ** ADDFORLIQUIDS
 POOLBOIL
- KOTCHAPAKDEE;P. WILLIAMS;M.C.
 "ENHANCEMENT OF NUCLEATE POOL BOILING WITH POLYMERIC
 ADDITIVES"
 INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.13,
 1970, PP.835-848
 073032 1970 IJHMT ADDFORLIQUIDS
 POOLBOIL
- KOTCHAPAKDEE;P.
 "BOILING HEAT TRANSFER OF VISCOELASTIC LIQUIDS"
 M.S. THESIS IN CHEMICAL ENGINEERING, UNIVERSITY OF CALIFOR-
 NIA, BERKELEY, 1969
 073011 1969 ** ADDFORLIQUIDS
 POOLBOIL
- KUTATELADZE;S.S.
 "FUNDAMENTALS OF HEAT TRANSFER"

ACADEMIC PRESS, NEW YORK, 1963, PP.396-398

073021 1963 ** ADDFORLIQUIDS
POOLBOILKUTATELADZE;S.S. BOBROVICH;G.I. GOGNIN;I.I.
MAMONTOVA;N.N. MOSKVICHEVA;V.N.
"THE CRITICAL HEAT FLUX AT THE POOL BOILING OF SOME BINARY
LIQUID MIXTURES"
PROCEEDINGS OF THE THIRD INTERNATIONAL HEAT TRANSFER
CONFERENCE, AMERICAN INSTITUTE OF CHEMICAL ENGINEERS, NEW
YORK, VOL.III, 1966, PP.149-159
073025 1966 IIIHTC ADDFORLIQUIDS
POOLBOILLOWERY JR.;A.J. WESTWATER;J.W.
"HEAT TRANSFER TO BOILING METHANOL--EFFECT OF ADDED AGENTS"
INDUSTRIAL AND ENGINEERING CHEMISTRY, VOL.49, 1957, PP.1445-
1448
073008 1957 IEC ADDFORLIQUIDS
POOLBOILMETZLER;C.V.
"EFFECT OF ADDITIVES ON BOILING HEAT TRANSFER AND CRITICAL
HEAT FLUX"
NORTH AMERICAN AVIATION REPORT NAA-SR MEMO-6946, DECEMBER
1961
000030 1961 ** LITSURVEY
ADDFORLIQUIDS POOLBOILMORGAN;A.I. BROMLEY;L.A. WILKIE;C.R.
"EFFECT OF SURFACE TENSION ON HEAT TRANSFER IN BOILING"
INDUSTRIAL AND ENGINEERING CHEMISTRY, VOL.41, 1949, PP.2767-
2769
073004 1949 IEC ADDFORLIQUIDS
POOLBOILNAKAJIMA;K. MOLIMOTG;S.
"EXPERIMENTS ON THE BOILING HEAT TRANSFER OF MIXTURES
OF TWO COMPONENTS - THE EFFECT OF COMPOSITION OF MIXTURES
AND SURFACE ROUGHNESS ON BOILING CURVES"
MITSUI TECHNICAL REVIEW, VOL.55, 1966, PP.27-41
023025 1966 ** ROUGHSURF
POOLBOIL ADDFORLIQUIDSNAKAYAMA;A.
"EFFECT OF ELECTROLYTIC GAS PRODUCTION ON SATURATED POOL
BOILING HEAT TRANSFER ON HEAT SURFACES HORIZONTAL, UPWARD-
FACING"
HEAT TRANSFER - JAPANESE RESEARCH, VOL.7, NO.2, 1978,
PP.25-27
073048 1978 HTJR ADDFORLIQUIDS
POOLBOILNAKAYAMA;A.
"THE EFFECT OF ELECTROLYTIC HYDROGEN GAS EVOLUTION UPON
INCIPENT BOILING SUPERHEAT"
HEAT TRANSFER - JAPANESE RESEARCH, VOL.8, NO.2, 1979, PP.
64-74
073055 1979 HTJR ADDFORLIQUIDS
POOLBOILNAKAYAMA;A.
"THE EFFECT OF ELECTROLYTIC HYDROGEN GAS EVOLUTION UPON
INCIPENT BOILING SUPERHEAT"
BULLETIN OF THE JAPAN SOCIETY OF MECHANICAL ENGINEERS,
VOL.23, 1980, P.1564
073058 1980 BJSME ADDFORLIQUIDS
POOLBOILNISHIKAWA;K. KUSADA;H. YAMASAKI;K.
TANAKA;K.
"NUCLEATE BOILING AT LOW LIQUID LEVELS"
BULLETIN OF THE JAPANESE SOCIETY OF MECHANICAL ENGINEERS,
VOL.10, 1967, PP.326-336
073042 1967 ** ADDFORLIQUIDS
POOLBOILOWEN JR.;W.L.
"AN ANALYTICAL AND EXPERIMENTAL STUDY OF POOL BOILING WITH
PARTICULAR REFERENCE TO ADDITIVES"
ATOMIC ENERGY ESTABLISHMENT WINFRIITH REPORT AEWW-180, 1964
073022 1964 AEWW ADDFORLIQUIDSPOOLBOIL
NHCPAPAIOANNOU;A.T. KOUMOUTSOS;N.G.
"THE EFFECT OF POLYMER ADDITIVES ON NUCLEATE BOILING"
HEAT TRANSFER 1982, VOL.4, HEMISPHERE PUBLISHING COMPANY,
WASHINGTON, D.C., 1982, PP.67-72
073056 1982 VIIHTC ADDFORLIQUIDS
POOLBOIL FLOBOILPODSUSHNYY;A.M. MINAYEV;A.N. STATSENKO;V.N.
YAKUBOVSKIY;Y.V.
"EFFECT OF SURFACTANTS AND OF SCALE FORMATION ON BOILING
HEAT TRANSFER TO SEA WATER"
HEAT TRANSFER-SOVIET RESEARCH, VOL. 12, NO. 2, 1980,
PP. 113-114.
073052 1980 HTSR ADDFORLIQUIDS
POOLBOILRUBINOV;Y.A.
"EXPERIMENTAL STUDY OF HEAT TRANSFER FROM HIGHLY-
CONCENTRATED FOAM TO A HORIZONTAL CYLINDER UNDER A VACUUM"
HEAT TRANSFER-SOVIET RESEARCH, VOL. 12, NO. 2, 1980,
PP. 106-108
073049 1980 HTSR ADDFORLIQUIDS
POOLBOILSAMUELS;T.
"THE INFLUENCE OF DISSOLVED SUBSTANCES AND THE STATE OF THE
HEATED SURFACE ON THE MECHANISM OF BOILING"
BROWN BOVERI REVIEW, 1962, PP.519-531
073016 1962 ** ADDFORLIQUIDS
TREATSURF POOLBOILSARDESAI;B.G. SHOCK;R.A.W. BUTTERWORTH;D.
"A REVIEW OF HEAT AND MASS TRANSFER IN MULTICOMPONENT
CONDENSATION AND BOILING"
PROCEEDINGS OF THE FIFTH NATIONAL HEAT AND MASS TRANSFER
CONFERENCE, HYDERBAD, INDIA, FEBRUARY 1980, PP.69-76
073060 1980 ** ADDFORLIQUIDS
FLOBOIL POOLBOILSCAROLA;L.S.
"EFFECT OF ADDITIVES ON THE CRITICAL HEAT FLUX IN NUCLEATE
BOILING"
S.M. THESIS IN MECHANICAL ENGINEERING, MASSACHUSETTS
INSTITUTE OF TECHNOLOGY, 1964
073023 1964 MIT ADDFORLIQUIDS
POOLBOIL FLOBOILSHIBAYAMA;S. KATSUTA;M. SUZUKI;K.
KUROSE;T. HATANO;Y.
"A STUDY ON BOILING HEAT TRANSFER IN A THIN LIQUID FILM
(PART 1: IN THE CASE OF PURE WATER AND AN AQUEOUS SOLUTION
OF A SURFACE ACTIVE-AGENT AS THE WORKING LIQUID)"
HEAT TRANSFER-JAPANESE RESEARCH, VOL. 8, NO. 2, 1979,
PP.12-40
073051 1979 HTJR ADDFORLIQUIDS
POOLBOILSLESARENKO;V.N. GUDAKOV;G.A. NAGORNYY;V.S.
"INVESTIGATION OF A CLIMBING THIN FILM DESALINATING
EVAPORATOR"
HEAT TRANSFER - SOVIET RESEARCH, VOL.8, NO.3, 1976, PP.
68-76
073059 1976 HTSR ADDFORLIQUIDS
POOLBOILSTEPHAN;K.
"INFLUENCE OF OIL ON HEAT TRANSFER OF BOILING REFRIGERANT 12
AND REFRIGERANT 22"
XI INTERNATIONAL CONGRESS OF REFRIGERATION, 1963.
(SUMMARIZED, I.I.R. BULLETIN NO.3, 1963)
073044 1963 ** ADDFORLIQUIDS
POOLBOIL
NHCSTERNLING;C.V. TICHACEK;L.J.
"HEAT TRANSFER COEFFICIENTS FOR BOILING MIXTURES--EXPERI-
MENTAL DATA FOR BINARY MIXTURES OF LARGE RELATIVE VOLATILI-
TY"
CHEMICAL ENGINEERING SCIENCE, VOL.16, 1961, PP.297-337
073014 1961 CES ADDFORLIQUIDS
POOLBOIL

SYROMYATNIKOV;N.I. DENISOVA;S.A. VASANOVA;L.K.
 "AN INVESTIGATION OF THE BOILING LIQUID - FLUIDIZED BED AS A
 NEW KIND OF PROCESS COOLANT"
 HEAT TRANSFER - SOVIET RESEARCH, VOL.6, NO.4, 1974, PP.71-74
 073039 1974 HTSR ADDFORLIQUIDS
 POOLBOIL

SYROMYATNIKOV;N.I. VASANOVA;L.K. TUSHIN;A.M.
 "HEAT TRANSFER IN SURFACE BOILING IN A LIQUID-FLUIDIZED
 BED"
 HEAT TRANSFER-SOVIET RESEARCH, VOL. 12, NO. 2, 1980,
 PP. 111-112.
 073050 1980 HTSR ADDFORLIQUIDS
 POOLBOIL

THOME;J.R.
 "NUCLEATE POOL BOILING OF BINARY LIQUIDS-AN ANALYTICAL
 EQUATION"
 AMERICAN INSTITUTE OF CHEMICAL ENGINEERS, SYMPOSIUM SERIES
 208, VOL. 77, 1981, PP. 238-250.
 073053 1981 AICHESS ADDFORLIQUIDS
 POOLBOIL

TOLUBINSKIY;V.I. OSTROVSKIY;YU.N.
 "MECHANISM OF HEAT TRANSFER IN BOILING OF BINARY MIXTURES"
 HEAT TRANSFER-SOVIET RESEARCH, VOL.1, NO.6, 1969, PP.6-11
 073030 1969 HTSR ADDFORLIQUIDS
 POOLBOIL

TOLUBINSKIY;V.I. OSTROVSKIY;YU.N. KRIVESHKO;A.A.
 "HEAT TRANSFER TO BOILING WATER-GLYCERINE MIXTURES"
 HEAT TRANSFER-SOVIET RESEARCH, VOL.2, NO.1, 1970, PP.22-34
 073031 1970 HTSR ADDFORLIQUIDS
 POOLBOIL

VAN STRALEN;S.J.D.
 "HEAT TRANSFER TO BOILING BINARY LIQUID MIXTURES PART I,
 PART II"
 BRITISH CHEMICAL ENGINEERING, VOL.4, 1959, PP.8-17, 78-82
 073010 1959 BCE ADDFORLIQUIDS
 POOLBOIL

VAN STRALEN;S.J.D.
 "HEAT TRANSFER TO BOILING BINARY LIQUID MIXTURES, PART III"
 BRITISH CHEMICAL ENGINEERING, VOL.6, 1961, PP.834-840
 073015 1961 BCE ADDFORLIQUIDS
 POOLBOIL

VAN STRALEN;S.J.D.
 "HEAT TRANSFER TO BOILING BINARY LIQUID MIXTURES, PART IV"
 BRITISH CHEMICAL ENGINEERING, VOL.7, 1962, PP.90-97
 073017 1962 BCE ADDFORLIQUIDS
 POOLBOIL

VAN STRALEN;S.J.D.
 "THE MECHANISM OF NUCLEATE BOILING IN PURE LIQUIDS AND IN
 BINARY MIXTURES - PART I, PART II"
 INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.9,
 1966, PP.995-1046
 073027 1966 IJHMT ADDFORLIQUIDS
 POOLBOIL

VAN STRALEN;S.J.D.
 "THE GROWTH RATE OF VAPOR BUBBLES IN SUPER HEATED PURE

LIQUIDS AND BINARY MIXTURES PART I: THEORY; PART II:
 EXPERIMENTAL RESULTS"
 INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.11,
 1968, PP.1467-1512
 073029 1968 IJHMT ADDFORLIQUIDS
 POOLBOIL

VAN STRALEN;S.J.D.
 "NUCLEATE BOILING IN BINARY SYSTEMS"
 AUGMENTATION OF CONVECTIVE HEAT AND MASS TRANSFER,
 AMERICAN SOCIETY OF MECHANICAL ENGINEERS, NEW YORK, 1970,
 PP.133-147
 073033 1970 ACHMT ADDFORLIQUIDS
 POOLBOIL

VAN STRALEN;S.J.D.
 "HEAT TRANSFER TO BOILING BINARY LIQUID MIXTURES AT ATMOS-
 PHERIC AND SUBATMOSPHERIC PRESSURES"
 CHEMICAL ENGINEERING SCIENCE, VOL.5, 1956, PP.290-296
 073034 1956 CES ADDFORLIQUIDS
 POOLBOIL

VAN STRALEN;S.J.D. JOOSEN;C.J.J. SLUYTER;W.M.
 "FILM BOILING OF WATER IN AN AQUEOUS BINARY MIXTURE"
 INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.15,
 1972, PP.2927-2446
 073035 1972 IJHMT ADDFORLIQUIDS
 POOLBOIL

VAN WIJK;W.R. VOS;A.S. VAN STRALEN;S.J.D.
 "HEAT TRANSFER TO BOILING BINARY LIQUID MIXTURES"
 CHEMICAL ENGINEERING SCIENCE, VOL.5, 1956, PP.68-80
 073007 1956 CES ADDFORLIQUIDS
 POOLBOIL

VOS;A.S. VAN STRALEN;S.J.D.
 "HEAT TRANSFER TO BOILING WATER METHYLETHYLKETONE MIXTURES"
 CHEMICAL ENGINEERING SCIENCE, VOL.5, 1956, PP.50-56
 073006 1956 CES ADDFORLIQUIDS
 POOLBOIL

YANG;Y.M. MAA;J.R.
 "EFFECTS OF POLYMER ADDITIVES ON POOL BOILING PHENOMENA"
 LETTERS IN HEAT AND MASS TRANSFER, VOL.9, 1981, PP.237-244
 073057 1981 LHMT ADDFORLIQUIDS
 POOLBOIL

YANG;Y.M. MAA;J.R.
 "POOL BOILING OF DILUTE SURFACTANT SOLUTIONS"
 JOURNAL OF HEAT TRANSFER, VOL.105, 1983, PP.190-192
 073047 1983 JHT ADDFORLIQUIDS
 POOLBOIL

YUSUFOVA;V.P. CHERNYAKHOVSKIY;A.I.
 "HEAT TRANSFER WITH BOILING MIXTURES"
 HEAT TRANSFER - SOVIET RESEARCH, VOL.8, NO.4, 1976, PP.57-62
 073043 1976 HTSR ADDFORLIQUIDS
 POOLBOIL

ADDITIVES FOR LIQUIDS — FLOW BOILING

- EEHAR;M. COURTAUD;M. RICQUE;R.
"FUNDAMENTAL ASPECTS OF SUBCOOLED BOILING WITH AND WITHOUT
DISSOLVED GASES"
PROCEEDINGS OF THE THIRD INTERNATIONAL HEAT TRANSFER
CONFERENCE, AMERICAN INSTITUTE OF CHEMICAL ENGINEERS, NEW
YORK, VOL.IV, 1966, PP.1-11
074008 1966 IJHMT ADDFORLIQUIDS
FLOBOIL
- BENNETT;D.L. CHEN;J.C.
"FORCED CONVECTIVE BOILING IN VERTICAL TUBES FOR SATURATED
PURE COMPONENTS AND BINARY MIXTURES"
AMERICAN INSTITUTE OF CHEMICAL ENGINEERS JOURNAL, VOL.26,
1980, PP.454-461
074019 1980 AIChEJ ADDFORLIQUIDS
FLOBOIL
- BERGLES;A.E. SCAROLA;L.S.
"EFFECT OF A VOLATILE ADDITIVE ON THE CRITICAL HEAT FLUX
FOR SURFACE BOILING OF WATER IN TUBES"
CHEMICAL ENGINEERING SCIENCE, VOL.21, 1966, PP.721-723
074005 1966 ** ADDFORLIQUIDS
FLOBOIL
- CARNE;M.
"STUDIES OF THE CRITICAL HEAT-FLUX FOR SOME BINARY MIXTURES
AND THEIR COMPONENTS"
CANADIAN JOURNAL OF CHEMICAL ENGINEERING, VOL.41, 1963,
PP.235-241
073018 1963 ** ADDFORLIQUIDS
FLOBOIL
- CHADDOCK;J.E. MATHUR;A.P.
"HEAT TRANSFER TO OIL REFRIGERANT MIXTURES EVAPORATING IN
TUBES"
PROCEEDINGS OF THE MULTIPHASE TRANSPORT: FUNDAMENTALS,
REACTOR SAFETY, APPLICATIONS, HEMISPHERE PUBLISHING CORP.,
VOL.2, 1979, PP.861-884
074017 1979 ** ADDFORLIQUIDS
FLOBOIL
- CHADDOCK;J.B.
"INFLUENCE OF OIL ON REFRIGERANT EVAPORATOR PERFORMANCE"
ASHRAE TRANSACTIONS, VOL.82, PART 1, 1976, PP.474-486.
074016 1979 ASHRAET ADDFORLIQUIDS
FLOBOIL
- FILIPPOV;G.A. SALTANOV;G.A.
"STEAM-LIQUID MEDIA HEAT-MASS TRANSFER AND HYDRODYNAMICS
WITH SURFACE-ACTIVE SUBSTANCE ADDITIVES"
HEAT TRANSFER 1982, VOL.4, HEMISPHERE PUBLISHING CORPORA-
TION, 1982, PP.443-447
074026 1982 VIIHCT ADDFORLIQUIDS
FLOBOIL
- FONG;H.L. KING;C.J. SEPHTON;H.H.
"THE MECHANISM OF HEAT TRANSFER IMPROVEMENT IN UPFLOW
VERTICAL TUBE EVAPORATION BY INDUCED FOAMY TWO-PHASE FLOW"
PAPER CSCH/ME NO.75-HT-1 PRESENTED AT THE 15TH NATIONAL
HEAT TRANSFER CONFERENCE, SAN FRANCISCO, 1975
074011 1975 ** ADDFORLIQUIDS
FLOBOIL
- FONG;H.L. KING;C.J. SEPHTON;H.H.
"UPFLOW VERTICAL TUBE EVAPORATION WITH INTERFACE
ENHANCEMENT PRESSURE DROP REDUCTION AND HEAT TRANSFER
ENHANCEMENT BY THE ADDITION OF A SURFACTANT"
DESALINATION, VOL.16, NO.1, 1975, PP.15-38
U34042 1975 ** EXTENDED SURF
FLOBOIL
- FROST;W. COSTELLO JR.;C.P. KIPPENHAN;C.J.
"THE EFFECT OF REDUCED LIQUID-VAPOR SURFACE TENSION ON
FORCED CONVECTION BOILING"
UNIVERSITY OF WASHINGTON DEPARTMENT OF MECHANICAL
ENGINEERING REPORT 65-1, 1965
074004 1965 ** ADDFORLIQUIDS
FLOBOIL
- FROST;W. KIPPENHAN;C.J.
"BUBBLE GROWTH AND HEAT-TRANSFER MECHANISM IN THE FORCED
CONVECTION BOILING OF WATER CONTAINING A SURFACE ACTIVE
AGENT"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.10,
1967, PP.931-949
074009 1967 IJHMT ADDFORLIQUIDS
FLOBOIL
- KLAREN;D.G. HALBERG;N.
"HEAT TRANSFER: DEVELOPMENT OF A MULTI-STAGE FLASH-FLUIDIZED
BED EVAPORATOR"
CHEMICAL ENGINEERING PROGRESS, JULY 1980, PP.41-43
074020 1980 CEP ADDFORLIQUIDS
FLOBOIL
- KREITH;F. SUMMERFIELD;M.
"PRESSURE DROP AND CONVECTIVE HEAT TRANSFER WITH SURFACE
BOILING AT HIGH FLUX: DATA FOR ANILINE AND N-BUTYL ALCOHOL"
TRANSACTIONS OF AMERICAN SOCIETY OF MECHANICAL ENGINEERS,
VOL.72, 1950, PP.869-879
074002 1950 ASME ADDFORLIQUIDS
FLOBOIL
- LEPPERT;G. COSTELLO;C.P. HOGUND;B.M.
"EQUILIBRIUM HEAT TRANSFER TO WATER CONTAINING A VOLATILE
ADDITIVE"
TRANSACTIONS OF AMERICAN SOCIETY OF MECHANICAL ENGINEERS,
VOL.80, 1958, PP.1395-1404
074007 1958 ASME ADDFORLIQUIDS
FLOBOIL
- MATHUR;A.P.
"HEAT TRANSFER TO OIL REFRIGERANT MIXTURE EVAPORATING IN
TUBES"
PH.D. THESIS, DEPARTMENT OF MECHANICAL ENGINEERING AND
MATHEMATICS, DUKE UNIVERSITY, 1976
074015 1976 ** ADDFORLIQUIDS
FLOBOIL
- MC ADAMS;W.H. KENNEL;W.E. MINDEN;C.S.
CARL;R. PICORNELL;P.M. DEW;J.E.
"HEAT TRANSFER AT HIGH RATES TO WATER WITH SURFACE BOILING"
INDUSTRIAL AND ENGINEERING CHEMISTRY, VOL.41, 1949, PP.1945-
1953
074001 1949 IEC ADDFORLIQUIDS
FLOBOIL
- MISHRA M.P. VARMA;H.K. SHARMA;C.P.
"HEAT TRANSFER COEFFICIENTS IN FORCED CONVECTION EVAPORATION
OF REFRIGERANTS MIXTURES"
LETTERS IN HEAT AND MASS TRANSFER, VOL.8, NO.2, 1981, PP.
127-136
074022 1981 LHMT ADDFORLIQUIDS
FLOBOIL
- NOEL;M.E.
"EXPERIMENTAL INVESTIGATION OF HEAT TRANSFER CHARACTERISTICS
OF HYDRAZINE AND A MIXTURE OF 90 PERCENT AND 10 PERCENT
ETHYLENEDIAMINE"
JET PROPULSION LABORATORY REPORT JPL TR 32-109, JUNE 1961
074003 1961 ** ADDFORLIQUIDS
FLOBOIL
- PAPAIANNICU;A.T. KUMOUTSOS;N.G.
"THE EFFECT OF POLYMER ADDITIVES ON NUCLEATE BOILING"
HEAT TRANSFER 1982, VOL.4, HEMISPHERE PUBLISHING COMPANY,
WASHINGTON, D.C., 1982, PP.67-72
073056 1982 VIIHCT ADDFORLIQUIDS
FLOBOIL
- ROSE;W.J. GILLES;H.L. UHL;V.W.
"SUBCOOLED BOILING HEAT TRANSFER TO AQUEOUS BINARY MIXTURES"
CHEMICAL ENGINEERING PROGRESS SYMPOSIUM SERIES, VOL.59,
NO.41, 1963, PP.62-70
074006 1963 CEPSS ADDFORLIQUIDS
FLOBOIL
- SARDESAI;B.G. SHUCK;R.A.W. BUTTERWORTH;D.
"A REVIEW OF HEAT AND MASS TRANSFER IN MULTICOMPONENT
CONDENSATION AND BOILING"
PROCEEDINGS FIFTH NATIONAL HEAT AND MASS TRANSFER
CONFERENCE, HYDERABAD, INDIA, FEBRUARY 1980, PP.69-76
074021 1980 ** ADDFORLIQUIDS

FLOBOIL POOLBOIL

SCAROLA;L.S.

"EFFECT OF ADDITIVES ON THE CRITICAL HEAT FLUX IN NUCLEATE BOILING"

S.M. THESIS IN MECHANICAL ENGINEERING, MASSACHUSETTS INSTITUTE OF TECHNOLOGY, 1964

073023 1964 MIT ADDFORLIQUIDS
POOLBOIL FLOBOIL

SEPHTON;H.H.

"RENOVATION OF INDUSTRIAL INORGANIC WASTEWATER BY EVAPORATION WITH INTERFACE ENHANCEMENT"

EPA 60012-76-017, 1976

144002 1976 ** COMPOUNDTECH
FLOBOIL ADDFORLIQUIDS ROUGHSURF

SEPHTON;H.H.

"RENOVATION OF POWER PLANT COOLING TOWER BLOWDOWN FOR RE-CYCLE BY EVAPORATION:CRYSTALLIZATION WITH INTERFACE ENHANCEMENT"

EPA-60017-77-063, 1977

144003 1977 ** COMPOUNDTECH
FLOBOIL ADDFORLIQUIDS ROUGHSURF

SEPHTON;H.H.

"INTERFACE ENHANCEMENT FOR VERTICAL TUBE EVAPORATORS: A NOVEL WAY OF SUBSTANTIALLY AUGMENTING HEAT AND MASS TRANSFER"

AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO. 71-HT-38, 1971

054042 1966 ASME SWIRLFLO
FLOBOIL ADDFORLIQUIDS

SEPHTON;H.H.

"UPFLOW VERTICAL TUBE EVAPORATION OF SEA WATER WITH INTERFACE ENHANCEMENT; PROCESS DEVELOPMENT BY PILOT PLANT TESTING"

DESALINATION, VOL.16, 1975, PP.1-13

074012 1975 ** ADDFORLIQUIDS
FLOBOIL

SEPHTON;H.H.

"VERTICAL TUBE EVAPORATION WITH DOUBLE FLUTED TUBE AND INTERFACE ENHANCEMENT"

AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO. 75-HT-43, 1975

034010 1975 ASME EXTENDED SURF
ADDFORLIQUIDS FLOBOIL

SEPHTON;H.H.

"DEVELOPMENT OF VERTICAL TUBE FOAM EVAPORATION FOR DESALINATION"

UNIVERSITY OF CALIFORNIA SEA WATER CONVERSION LABORATORY, BERKELEY, CALIFORNIA, 1975

144004 1975 ** COMPOUNDTECH
FLOBOIL ADDFORLIQUIDS ROUGHSURF

SEPHTON;H.H.

"DESALINATION BY UPFLOW VERTICAL TUBE EVAPORATION WITH INTERFACE ENHANCEMENT"

INTERNATIONAL DESALTING CONFERENCE, PONCE, PUERTO RICO, APRIL 23-25, 1975

144001 1975 ** COMPOUNDTECH
FLOBOIL ADDFORLIQUIDS ROUGHSURF

SEPHTON;H.H.

"VAPOR COMPRESSION VERTICAL TUBE FOAM EVAPORATION"

DESALINATION, VOL.23, 1977, PP.299-310

074013 1977 ** ADDFORLIQUIDS
FLOBOIL

SEPHTON;H.H.

"VERTICAL TUBE FOAM EVAPORATION FOR FRESH WATER PRODUCTION USING POWER PLANT WASTE HEAT"

DESALINATION, VOL. 31, 1979, PP. 187-195

074018 1979 ** ADDFORLIQUIDS
FLOBOIL

SEPHTON;H.H.

"VERTICAL TUBE FOAM EVAPORATION"

CHEMICAL ENGINEERING PROGRESS, OCTOBER 1981, PP.83-86

074024 1981 CEP ADDFORLIQUIDS
FLOBOIL

SHAH;B.H.

DARBY;R.

"THE EFFECT OF SURFACTANT ON EVAPORATIVE HEAT TRANSFER IN VERTICAL FLOW"

INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.16, 1973, PP.1889-1904

074010 1973 IJHMT ADDFORLIQUIDS
FLOBOIL

SUEMATSU;H.

INOUE;S.

TANI;A.

SAWADA;H.
"HEAT TRANSFER PERFORMANCE OF AN UPFLOW VERTICAL TUBE EVAPORATOR"

HEAT TRANSFER - JAPANESE RESEARCH, VOL.8, NO.4, 1979, PP. 88-107

074025 1979 HTJR ADDFORLIQUIDS
FLOBOIL

SYROMYATNIKOV;N.I. VASANOVA;L.K. DENISOVA;S.A.

"THE THERMAL EFFECTIVENESS OF THE FLUIDIZED (BOILING) BED AS AN INTERMEDIATE HEAT TRANSFER MEDIUM"

HEAT TRANSFER - SOVIET RESEARCH, VOL.6, NO.6, 1974, PP.1-4

074014 1974 HTSR ADDFORLIQUIDS
FLOBOIL

VAN DER MAAT;V.C.

NEAD;S.M.

BROMLEY;L.A.

"BOILING OF NATURAL SEA WATER IN FALLING FILM EVAPORATORS"

DESALINATION, VOL.18, 1976, PP.71-94

024004 1976 ** ROUGHSURF
FLOBOIL ADDFORLIQUIDS SWIRLFLO

WEI;H.

MAA;J.R.

"ENHANCEMENT OF FLOW BOILING HEAT TRANSFER WITH POLYMER ADDITIVES"

INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.25, 1982, PP.431-434

074023 1982 IJHMT ADDFORLIQUIDS
FLOBOIL

ADDITIVES FOR LIQUIDS — MASS TRANSFER

COEURET;F. LE GOFF;P.
 "LOCAL POROSITY, FLUCTUATIONS OF POROSITY AND MASS-
 TRANSFER COEFFICIENTS IN LIQUID-FLUIDISED BEDS"
 THE CHEMICAL ENGINEER, APRIL 1967, PP.75-77, 90
 076001 1967 TCE ADDFORLIQUIDS
 MASSTRAN

COLLINGHAM;R.E. BLACKSHEAR;P.L. ECKERT;E.R.G.
 "MASS TRANSFER IN FLOWING LAMINAR SUSPENSIONS"
 HEAT TRANSFER 1970, VOL. VIII, PAPER CT2.2, ELSEVIER
 PUBLISHING CO., AMSTERDAM, 1970
 076002 1970 IVIHTC ADDFORLIQUIDS
 MASSTRAN

KASTANEK;F. ZAHRADNIK;J. RYLEK;M.
 CERMAK;J.
 "INCREASING THE RATE OF MASS TRANSFER IN REACTORS WITH A
 BUBBLE PHASE"
 INTERNATIONAL CHEMICAL ENGINEERING, VOL.20, NO.1, 1980,
 PP.56-64
 076004 1980 ICE ADDFORLIQUIDS
 MASSTRAN

KLAREN;D.G.
 "FLUID BED HEAT EXCHANGER: A MAJOR IMPROVEMENT IN
 SEVERE FOULING HEAT TRANSFER"
 HEAT EXCHANGERS: THEORY AND PRACTICE, HEMISPHERE
 PUBLISHING CORPORATION, WASHINGTON, AND MC GRAW-HILL
 BOOK COMPANY, NEW YORK, 1983, PP.885-898
 076006 1983 ** ADDFORLIQUIDS
 MASSTRAN

ROCHELLE;G.T. KING;C.J.
 "THE EFFECT OF ADDITIVES ON MASS TRANSFER IN CaCO_3 OR CaO
 SLURRY SCRUBBING OF SO_2 FROM WASTE GASES"
 INDUSTRIAL AND ENGINEERING CHEMISTRY FUNDAMENTALS, VOL.16,
 1977, PP.67-75
 076003 1977 ** ADDFORLIQUIDS
 MASSTRAN

SIT;S.P. GRACE;J.R.
 "EFFECT OF BUBBLE INTERACTION ON INTERPHASE MASS TRANSFER
 IN GAS FLUIDIZED BEDS"
 CHEMICAL ENGINEERING SCIENCE, VOL.36, 1981, PP.327-335
 076005 1981 CES ADDFORLIQUIDS
 MASSTRAN

ADDITIVES FOR GASES — FORCED CONVECTION

- ABEL;W.T. BLUMAN;D.E. O'LEARY;J.P.
"GAS-SOLID SUSPENSIONS AS HEAT-CARRYING MEDIUMS"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.
63-WA-210, 1963
082013 1963 ASME ADDFORGASES
1FORCECONV
- ABEL;W.T. BLUMAN;D.E. O'LEARY;J.P.
"GAS-SOLIDS SUSPENSIONS AS HEAT-CARRYING MEDIUMS"
PYRODYNAMICS, VOL.2, 1965, PP.15-23
082022 1965 ** ADDFORGASES
1FORCECONV
- AIHARA;T. SAGA;R.
"PERFORMANCE OF A COMPACT COOLING UNIT UTILIZING AIR-WATER
MIST FLOW"
JOURNAL OF HEAT TRANSFER, VOL.105, 1983, PP.16-24
082161 1983 JHT ADDFORGASES
1FORCECONV
- AIHARA;T. TAGA;M. HARAGUCHI;T.
"HEAT TRANSFER FROM A UNIFORM HEAT FLUX WEDGE IN AIR-
WATER MIST FLOWS"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.
22, 1979, PP.51-60
082165 1979 IJHMT ADDFORGASES
1FORCECONV
- ANDEEN;B.R. GLICKSMAN;L.R. ROHSENOW;W.M.
"IMPROVEMENT OF THE ENVIRONMENTAL AND ECONOMIC
CHARACTERISTICS OF COOLING TOWERS PART I: OPTIMIZED DESIGN
PROGRAM, FLUIDIZED BEDS, AND NON-METALLIC HEAT EXCHANGERS"
MASSACHUSETTS INSTITUTE OF TECHNOLOGY ENGINEERING PROJECTS
LABORATORY REPORT NO. DSR 80047-82, JUNE 1973
042008 1972 MIT DISPENHDEVICE
ADDFORGASES 1FORCECONV
- ANDEEN;B.R. GLICKSMAN;L.R.
"HEAT TRANSFER TO HORIZONTAL TUBES IN SHALLOW FLUIDIZED
BEDS"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.76-HT-67,
1976
082086 1976 ASME ADDFORGASES
1FORCECONV
- ANDEEN;B.R. GLICKSMAN;L.R. BOWMAN;R.
"HEAT TRANSFER FROM FLATTENED HORIZONTAL TUBES"
FLUIDIZATION, CAMBRIDGE UNIVERSITY PRESS, 1978, PP.1-5
082121 1976 ** ADDFORGASES
1FORCECONV
- ANONYMOUS
"GAS-SUSPENSION TASK III FINAL REPORT"
BABCOCK AND WILCOX REPORT BAW-1201, JULY 1960
082003 1960 ** ADDFORGASES
1FORCECONV
- ANONYMOUS
"SUPPLEMENT TO THE GAS-SUSPENSION TASK III FINAL REPORT"
BABCOCK AND WILCOX REPORT BAW-1207, OCTOBER 1960
082004 1960 ** ADDFORGASES
1FORCECONV
- ANONYMOUS
"BASIC STUDIES IN GAS-SOLID SUSPENSION"
QUARTERLY REPORT NO.65-1, CONTRACT NO.AT(30-1)2930, BUREAU
OF ENGINEERING RESEARCH, RUTGERS - THE STATE UNIVERSITY,
MARCH 19, 1965
082019 1965 ** ADDFORGASES
1FORCECONV
- ASIF;S.A. KHANDAWALA;A.I.
"CARBONDIOXIDE INJECTION IN THERMAL REGENERATORS"
LETTERS IN HEAT AND MASS TRANSFER, VOL.8, NO.1, 1981,
PP.35-44
082169 1981 LHMT ADDFORGASES
1FORCECONV
- EANSAL;R.K.
"HEAT TRANSFER STUDIES FROM SINGLE CYLINDER AND TUBE BUNDLE
IN A FLUIDIZED BED"
PH.D. DISSERTATION, GEORGIA INSTITUTE OF TECHNOLOGY, 1978
082061 1978 ** ADDFORGASES
- 1FORCECONV
NHC
- BARTEL;W.J. GENETTI;W.E. GRIMMETT;E.S.
"HEAT TRANSFER FROM A HORIZONTAL DISCONTINUOUS FINNED TUBE
IN A FLUIDIZED BED"
AICHE SYMPOSIUM SERIES NO. 116, VOL.67, 1971, PP.85-89
082094 1971 AICHE ADDFORGASES
EXTENDED SURF 1FORCECONV COMPOUNDTECH
- BARTEL;W.J. GENETTI;W.E.
"HEAT TRANSFER FROM A HORIZONTAL BUNDLE OF BARE AND FINNED
TUBES IN AN AIR FLUIDIZED BED"
AICHE SYMPOSIUM SERIES NO. 128, VOL.69, 1973, PP.85-93
062095 1973 AICHE ADDFORGASES
EXTENDED SURF 1FORCECONV COMPOUNDTECH
- BASILICO;C. JUNG;G. MARTIN;M.
"CONVECTIVE TRANSFER BETWEEN A HEATED CYLINDER AND AN
AIRSTREAM CHARGED WITH SPRAYED WATER"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.24,
1981, PP.371-385
082023 1981 IJHMT ADDFORGASES
1FORCECONV FLUIDVIB
- BASILICO;D.C. MARTIN;M. BRUN;M.E.-A.
"FORCED CONVECTION FROM A CYLINDER TO AIR-WATER SPRAY FLOW"
C.R.ACAD.SC.PARIS, SERIES E, VOL.287, NO.5, 1978, PP.97-100
112084 1978 ** FLUIDVIB
1FORCECONV ADDFORGASES
- BENTLEY;J.M. SNYDER;T.K. GLICKSMAN;L.R.
ROHSENOW;W.M.
"AN EXPERIMENTAL AND ANALYTICAL STUDY OF A UNIQUE WET/DRY
SURFACE FOR COOLING TOWERS"
JOURNAL OF HEAT TRANSFER, VOL.100, 1978, PP.520-526
142010 1978 JHT COMPOUNDTECH
1FORCECONV EXTENDED SURF ADDFORGASES
- BHATTACHARYA;S.C. HARRISON;D.
"HEAT TRANSFER IN A PULSED FLUIDIZED BED"
TRANSACTIONS OF THE INSTITUTION OF CHEMICAL ENGINEERS,
VOL.54, 1976, PP.281-286
082024 1976 ** ADDFORGASES
FLUIDVIB 1FORCECONV COMPOUNDTECH
- BHATTI;M.S. SAVERY;C.W.
"AUGMENTATION OF HEAT TRANSFER IN A LAMINAR EXTERNAL GAS
BOUNDARY LAYER BY THE VAPORIZATION OF SUSPENDED DROPLETS"
JOURNAL OF HEAT TRANSFER, VOL.97, 1975, PP.179-184
082089 1975 JHT ADDFORGASES
1FORCECONV
- BICHEV;S.P.
"HEAT TRANSFER ENHANCEMENT IN REFRIGERATORS AND
INSTALLATIONS USING DYNAMIC DISPERSED MEDIUM"
ABSTRACT FROM THE SIXTH ALL-UNION HEAT AND MASS TRANSFER
CONFERENCE, MINSK, USSR, 1980, P. 103
082142 1980 ** ADDFORGASES
1FORCECONV
- BOLOGA;M.K. GORBIS;Z.R. BERKOV;A.E.
PUSHKOV;V.V.
"ENHANCEMENT OF HEAT TRANSFER GAS-SOLID HEAT EXCHANGERS IN
ELECTRIC FIELD"
ABSTRACT FROM THE SIXTH ALL-UNION HEAT AND MASS TRANSFER
CONFERENCE, MINSK, USSR, 1980. HEAT TRANSFER - SOVIET
RESEARCH, VOL.14, NO.1, 1982, P.132
142038 1982 HTSR COMPOUNDTECH
1FORCECONV ADDFORGASES ELECTROFIELD
- BOLOGA;M.K. ZHELYASKOV;M.P. PUSHKOV;V.V.
"HEAT TRANSFER IN DISPERSE SYSTEMS AFFECTED BY AN ELECTRIC
FIELD"
ABSTRACT FROM THE FIFTH ALL-UNION HEAT AND MASS TRANSFER
CONFERENCE, MINSK, USSR, 1976, P.130
142035 1976 ** COMPOUNDTECH
1FORCECONV ADDFORGASES ELECTROFIELD
- BORODULYA;V.A. GANZHA;V.L. UPADHYAY;S.N.
SAXENA;S.C.

"HEAT TRANSFER FROM IN-LINE AND STAGGERED HORIZONTAL SMOOTH TUBE BUNDLES IMMersed IN A FLUIDIZED BED OF LARGE PARTICLES" INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL. 23, 1960, PP. 1602-1604.

082141 1980 IJHMT ADDFORGASES
1FORCECONV

BRANSFORD;M.B. HOLDEN;J.H.
"CALCULATION PROCEDURE FOR HEAT TRANSFER TO A GAS-SOLID SUSPENSION FROM AN EXTERNALLY HEATED TUBE"

PE-194 938, 1970
082050 1970 ** ADDFORGASES
1FORCECONV

BRILLER;R. PESKIN;R.L.
"GAS SOLID SUSPENSION CONVECTIVE HEAT TRANSFER AT REYNOLDS NUMBER OF 130,000"

JOURNAL OF HEAT TRANSFER, VOL.90, 1968, PP.464-468
082027 1968 JHT ADDFORGASES
1FORCECONV

BRILLER;R. PESKIN;R.L.
"A MECHANISTIC APPROACH TO GAS SOLID SUSPENSION HEAT TRANSFER"
AUGMENTATION OF CONVECTIVE HEAT AND MASS TRANSFER,
AMERICAN SOCIETY OF MECHANICAL ENGINEERS, NEW YORK, 1970,
PP.124-132

082029 1970 ACHMT ADDFORGASES
1FORCECONV

BURKEL;W.
"HEAT TRANSFER ON HEATING AND COOLING SURFACES IN GASED LIQUIDS"

CHEMIE INGENIEUR TECHNIK, VOL.44, 1972, PP.265-268
082058 1972 ** ADDFORGASES
1FORCECONV

CALLAHAN;J.T.
"HEAT TRANSFER CHARACTERISTICS IN AIR FLUIDIZED SOLIDS UP TO 900 F"

JOURNAL OF BASIC ENGINEERING, VOL.93, 1971, PP.165-178
082107 1971 ASME ADDFORGASES
1FORCECONV

CHANDRAN;R. CHEN;J.C. STAUB;F.W.
"LOCAL HEAT TRANSFER COEFFICIENTS AROUND HORIZONTAL TUBES IN FLUIDIZED BEDS"

JOURNAL OF HEAT TRANSFER, VOL.102, 1980, PP.152-157.
082139 1980 JHT ADDFORGASES
1FORCECONV

CHARYA;F.R.
"PULSATILE FLOW OF A DUSTY FLUID THROUGH A CONSTRICTED CHANNEL"

ZEITSCHRIFT FÜR ANGEWANDTE MATHEMATIK UND PHYSIK, VOL.29, NO.2, 1978, PP.217-225
112077 1978 ** FLUIDVIB
1FORCECONV ADDFORGASES

CHAWLA;O.P. KHANDAWALA;A.I.
"THERMAL PERFORMANCE OF REGENERATORS AND WASTE HEAT RECOVERY"

INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.24, 1981, PP.1793-1800
082168 1981 IJHMT ADDFORGASES
1FORCECONV

CHEN;C.F.
"AN EXPLORATORY STUDY OF THE HEAT TRANSFER CHARACTERISTICS FOR A NON-NEWTONIAN, NON FOURIER FLUID"

ATOMIC ENERGY COMMISSION REPORT NYO 2930-4, MAY 1964
082015 1964 AEC ADDFORGASES
1FORCECONV

CHEN;J.C.
"HEAT TRANSFER TO TUBES IN FLUIDIZED BEDS"

AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO. 76-HT-75, 1976
082087 1976 ASME ADDFORGASES
EXTENDED SURF 1FORCECONV

CHEN;J.C. WITHERS;J.G.

"AN EXPERIMENTAL STUDY OF HEAT TRANSFER FROM PLAIN AND FINNED TUBES IN FLUIDIZED BEDS"

AMERICAN INSTITUTE OF CHEMICAL ENGINEERS PAPER NO.34 FOR FIFTEENTH NATIONAL HEAT TRANSFER CONFERENCE, SAN FRANCISCO, 1975

142007 1975 AICHE COMPOUNDTECH
1FORCECONV EXTENDED SURF ADDFORGASES

CHU;Y.C. STORROW;J.A.
"HEAT TRANSFER TO AIR FLOWING THROUGH PACKED TUBES"

CHEMICAL ENGINEERING SCIENCE, VOL.1, 1952, PP.230-237
082072 1952 CES ADDFORGASES
1FORCECONV

CLAUSING;A.M. KONG;P.L.
"A NUMERICAL INVESTIGATION OF FILM COOLING AS AN ALTERNATE THERMAL PROTECTION SYSTEM FOR SPACECRAFT DURING ATMOSPHERIC RE-ENTRY"

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION REPORT CR-112192, 1972
082057 1972 NASA ADDFORGASES
1FORCECONV

COBERLY;C.A. MARSHALL JR.;W.R.
"TEMPERATURE GRADIENT IN GAS STREAMS FLOWING THROUGH FIXED GRANULAR BEDS"

CHEMICAL ENGINEERING PROGRESS, VOL.47, NO.3, 1951, PP.141-150
082075 1951 CEP ADDFORGASES
1FORCECONV

COLBURN;A.P.
"HEAT TRANSFER AND PRESSURE DROP IN EMPTY, BAFFLED, AND PACKED TUBES. PART I: HEAT TRANSFER IN PACKED TUBES. PART II PRESSURE DROP IN PACKED TUBES"

INDUSTRIAL AND ENGINEERING CHEMISTRY, VOL.23, NO.8, 1931, PP.910-919
082063 1931 IEC ADDFORGASES
1FORCECONV

COLE;W.E. SUO;M.
"WASTE HEAT RECOVERY; WASTE HEAT RECOVERY WITH FLUIDIZED BED"

CHEMICAL ENGINEERING PROGRESS, DECEMBER 1979, PP. 38-42.
142024 1978 CEP COMPOUNDTECH
1FORCECONV ADDFORGASES EXTENDED SURF

CURIEVICI;I. PERETZ;D. DINVLESCU;H.
"EXPERIMENTAL INVESTIGATION OF LOCAL HEAT TRANSFER FROM A TUBE WALL TO A TURBULENTLY FLOWING GAS-GRAPHITE SUSPENSION"

BULETINUL INSTITUTULUI POLITEHNIC DIN IASI SECȚIA IV MECANICA TEHNICA, VOL.16, NO.3/4, 1970, PP.53-64
082055 1970 ** ADDFORGASES
1FORCECONV

DANZIGER;W.J.
"HEAT TRANSFER TO FLUIDIZED GAS-SOLIDS MIXTURES IN VERTICAL TRANSPORT"

INDUSTRIAL AND ENGINEERING CHEMISTRY, VOL.2, 1963, PP.269-273
082038 1963 IEC ADDFORGASES
1FORCECONV

DEPEW;C.A. KRAMER;T.J.
"HEAT TRANSFER TO FLOWING GAS-SOLID MIXTURES"

1973, PP.113-180
ADVANCES IN HEAT TRANSFER, VOL.9, ACADEMIC PRESS, NEW YORK 1973, PP.113-180
000027 1973 AHT LITSURVEY
ADDFORGASES 1FORCECONV

DEPEW;C.A. FARBER;L.
"HEAT TRANSFER TO PNEUMATICALLY CONVEYED GLASS PARTICLES OF FIXED SIZE"

JOURNAL OF HEAT TRANSFER, VOL.85, 1963, PP.164-172
082012 1963 JHT ADDFORGASES
1FORCECONV

DEPEW;C.A. CRAMER;E.R.
"HEAT TRANSFER TO HORIZONTAL GAS-SOLID SUSPENSION FLOWS"

AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO. 69-HT-62, 1969

- 062028 1968 ASME ADDFORGASES
1FCRCECONV
- DEPEW;C.A.
"HEAT TRANSFER TO FLOWING MIXTURES IN A VERTICAL CIRCULAR DUCT"
PH.D. THESIS, UNIVERSITY OF CALIFORNIA, BERKELEY, 1960
082034 1960 ** ADDFORGASES
1FCRCECONV
- DICKEY;B.R. GRIMMETT;E.S. KILIAN;D.C.
"WASTE HEAT DISPOSAL VIA FLUIDIZED BEDS"
CHEMICAL ENGINEERING PROGRESS, VOL. 70, NO. 1, 1974,
PP. 60 - 64
082108 1974 CEP ADDFORGASES
1FCRCECONV
- DOBUD'KO;V.D. KORTIKOV;L.S. AKSEL'ROD;L.S.
"AN EXPERIMENTAL INVESTIGATION OF HEAT AND MASS TRANSFER IN
AN EVAPORATIVE PLATE-FIN HEAT EXCHANGER"
THERMAL ENGINEERING, VOL.22, NO.8, 1975, PP.126-130.
082084 1975 TENG ADDFORGASES
EXTENDED SURF 1FCRCECONV
- ECHIGO;R. HASEGAWA;S. TAKECHI;E.
OKAMOTO;Y.
"RADIATIVE HEAT TRANSFER BY SOLID SUSPENSION LAMINAR FLOW,
WITH A RADIATING FLUID IN A CIRCULAR TUBE WITH CONSTANT
WALL TEMPERATURE"
INTERNATIONAL CHEMICAL ENGINEERING, VOL.8, NO.3, 1973,
PP.546-552
082062 1973 ICE ADDFORGASES
1FCRCECONV
- ELSDON;R. SHEARER;C.J.
"HEAT TRANSFER IN A GAS FLUIDIZED BED ASSISTED BY AN
ALTERNATING ELECTRIC FIELD"
CHEMICAL ENGINEERING SCIENCE, VOL.32, 1977, PP.1147-1153
122026 1977 CES ELECTRIC FIELD
1FCRCECONV ADDFORGASES
- FARBER;L. MORLEY;M.J.
"HEAT TRANSFER TO FLOWING GAS-SOLIDS MIXTURES IN A CIRCULAR
TUBE"
INDUSTRIAL AND ENGINEERING CHEMISTRY, VOL.49, 1957, PP.1143-
1150
082002 1957 IEC ADDFORGASES
1FCRCECONV
- FARBER;L. DEPEW;C.A.
"HEAT TRANSFER EFFECTS TO GAS-SOLIDS MIXTURES USING SOLID
PARTICLES OF UNIFORM SIZE"
INDUSTRIAL AND ENGINEERING CHEMISTRY, FUNDAMENTALS, VOL.2,
1963, PP.130-135
082011 1963 IEC ADDFORGASES
1FCRCECONV
- FARBER;L.
"MULTI-PHASE FLOW AND HEAT TRANSFER RESEARCH - UNIVERSITY OF
CALIFORNIA, BERKELEY"
PROCEEDINGS OF CONFERENCE ON DUST COOLING, FIRST DAY, QUEEN
MARY COLLEGE, LONDON, DECEMBER 1964, PP.38-50
082041 1964 ** ADDFORGASES
1FCRCECONV
- FINLAY;I.C.
"AN ANALYSIS OF HEAT TRANSFER DURING FLOW OF AN AIR/WATER
MIST ACROSS A HEATED CYLINDER"
CANADIAN JOURNAL OF CHEMICAL ENGINEERING, VOL.49, 1971,
PP.333-339
082031 1971 ** ADDFORGASES
1FCRCECONV
- FINLAY;I.C. MC MILLAN;
"HEAT TRANSFER DURING TWO-COMPONENT MIST FLOW ACROSS A
HEATED CYLINDER"
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS,
VOL.182, PART 3H, 1967-68, PP.277-288
082116 1967 PIME ADDFORGASES
1FCRCECONV
- FISHER;U. LEIDENFROST;W. LI;J.
- "HYBRID EVAPORATIVE-CONDENSER COOLING TOWER"
HEAT TRANSFER ENGINEERING, VOL.4, NO.2, 1983, PP.28-41
082164 1983 HTE ADDFORGASES
1FCRCECONV
- GARTON;D.A. HAWES;R.I.
"HEAT TRANSFER AND PRESSURE DROP CHARACTERISTICS OF SUSPEN-
SION OF GRAPHITE POWDER IN NITROGEN GAS"
PROCEEDINGS OF CONFERENCE ON DUST COOLING, FIRST DAY, QUEEN
MARY COLLEGE, LONDON, DECEMBER 1964, PP.14-37
082035 1964 ** ADDFORGASES
1FCRCECONV
- GEL'PERIN;N.I. AINSHTEIN;V.G. TOSKUBAEV;I.N.
VASIL'EV;S.K. RYSPAeva;N.S.
"HEAT TRANSFER BETWEEN A FLUIDIZED BED AND FINNED TUBES"
OF BINARY MIXTURES ON FINNED SURFACES"
TR. MOSK. INST. TONKOI KHIM. TEKHNOI., VOL.4, 1974,
PP.165-169
032163 1974 ** EXTENDED SURF
1FCRCECONV ADDFORGASES
NHC
- GEL'PERIN;N.I. AINSHTEYN;V.G. KRUPNIK;L.I.
MEMEDLYAYEV;Z.N. YEFIMOVA;S.V.
"STRUCTURE AND HEAT TRANSFER IN TURBULENT GAS SUSPENSION
FLOWS"
HEAT TRANSFER - SOVIET RESEARCH, VOL.8, NO.5, 1976, PP.77-85
082125 1976 HTSR ADDFORGASES
1FCRCECONV
- GEL'PERIN;N.I. AINSHTEIN;V.G. TOSKUBAEV;I.N.
"HEAT EXCHANGE BETWEEN FINNED TUBES AND A FLUIDIZED BED OF
GRANULAR MATERIAL"
CHEMISTRY AND TECHNOLOGY OF FUELS AND OILS, VOL.8, 1972,
PP.697-699
032219 1972 ** EXTENDED SURF
1FCRCECONV ADDFORGASES
- GENETTI;W.E. KNUDSEN;J.G.
"HEAT TRANSFER IN A DILUTE-PHASE FLUIDIZED BED TUBULAR HEAT
EXCHANGER"
INSTITUTION OF CHEMICAL ENGINEERS SYMPOSIUM SERIES NO.30,
1968, PP.147-156
082093 1968 ** ADDFORGASES
1FCRCECONV
- GENETTI;W.E. SCHMALL;R.A. GRIMMETT;E.S.
"THE EFFECT OF TUBE ORIENTATION ON HEAT TRANSFER WITH BARE
AND FINNED TUBES IN A FLUIDIZED BED"
AMERICAN INSTITUTE OF CHEMICAL ENGINEERS SYMPOSIUM SERIES
NO.116, VOL.67, 1971, PP.90-96
082096 1971 AIChE ADDFORGASES
EXTENDED SURF 1FCRCECONV
- GENETTI;W.E. YURICH;S.P. VANDERHOOF;D.W.
"HEAT TRANSFER FROM VERTICAL FINNED TUBE BUNDLES IN A
FLUIDIZED BED"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.80-HT-118,
1980.
142025 1980 ASME COMPOUNDTECH
1FCRCECONV EXTENDED SURF ADDFORGASES
- GENETTI;W.E. EVERLY;D.
"HEAT TRANSFER FROM SPIRAL TUBING IN AN AIR-FLUIDIZED
BED"
HEAT TRANSFER ENGINEERING, VOL.3, NOS.3-4, 1982, PP.60-65
142036 1982 HTE COMPOUNDTECH
1FCRCECONV COILED TUBE ROUGH SURF ADDFORGASES
- GENETTI;W.E. NICKELSON;R.L. HICKEL;S.D.
"HEAT TRANSFER FROM LONGITUDINALLY FINNED TUBES IN A
FLUIDIZED BED WITH LARGE PARTICLES"
ASME-JSME THERMAL ENGINEERING JOINT CONFERENCE
PROCEEDINGS, HONOLULU, HAWAII, MARCH 1983, VOL.2, PP.3-7
082158 1983 ** ADDFORGASES
1FCRCECONV
- GEORGE;S.E. GRACE;J.R.
"HEAT TRANSFER TO HORIZONTAL TUBES IN A PILOT-SCALE
FLUIDIZED BED"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.24,

- 1982, PP.592-594
082146 1982 IJHMT ADDFORGASES
1FORCECONV
- GLICKSMAN;L.R.
"ADVANCED CONCEPTS IN DRY COOLING SYSTEMS"
WORKSHOP ON DRY COOLING SYSTEMS, FRANKLIN INSTITUTE RESEARCH
LABORATORIES, PHILADELPHIA, JULY 1975, PP.9-1 - 9-2
092026 1975 ** MECHAID
1FORCECONV ADDFORGASES
- GOLDSTEIN;M.E. YANG;W.-J. CLARK;J.A.
"MOMENTUM AND HEAT TRANSFER IN LAMINAR FLOW OF GAS WITH
LIQUID-DROPLET SUSPENSION OVER A CIRCULAR CYLINDER"
JOURNAL OF HEAT TRANSFER, VOL.89, 1967, PP.185-194
082101 1967 JHT ADDFORGASES
1FORCECONV
- GOLDSTEIN;S.D. GRIFFITH;P.
"SPRAY COOLING OF LASER MIRRORS"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.
74-HT-17, 1974
082060 1974 ASME ADDFORGASES
1FORCECONV
- GORBIS;F.R. BAKHTICZIN;R.A.
"INVESTIGATION OF CONVECTION HEAT TRANSFER TO A GAS-GRAPHITE
SUSPENSION UNDER CONDITIONS OF INTERNAL FLOW IN VERTICAL
CHANNELS"
ATOMNAYA ENERGIYA, VOL.12, 1962, PP.378-384
062010 1962 ** ADDFORGASES
1FORCECONV
- GORBIS;Z.R.
"TO THE THEORY OF CONVECTIVE HEAT EXCHANGE WITH "GAS-SOLID"
SUSPENSIONS"
HEAT TRANSFER 1970, VOL.VII, PAPER CT2.3, ELSEVIER PUBLISH-
ING COMPANY, AMSTERDAM, 1970
082030 1970 IJHMT ADDFORGASES
1FORCECONV
- GORBIS;Z.R. SPUKOLNYI;F.E.
"THE INTENSITY OF HEAT TRANSFER WITH GAS-GRAPHITE COOLANTS"
THERMAL ENGINEERING, VOL.20, NO.2, 1973, PP.31-34
082059 1973 TENG ADDFORGASES
1FORCECONV
- GORBIS;Z.R. BELYY;L.M.
"AERODYNAMICS AND HEAT TRANSFER OF A COUNTERCURRENT GASEOUS
SUSPENSION FLOWING ONTO DECELERATING SPIRAL INSERTS"
HEAT TRANSFER-SOVIET RESEARCH, VOL.2, NO.3, 1970, PP.40-46
142003 1970 HTSR COMPOUNDTECH
ADDFORGASES SWIRLFLO 1FORCECONV
- GORBIS;Z.R. SPOKOLNI;F.E.
"HYDRODYNAMIC THEORY OF HEAT TRANSFER BETWEEN A STABILIZED
GAS SUSPENSION FLOW AND CHANNEL WALLS"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.16, 1973,
PP.725-733
082088 1973 IJHMT ADDFORGASES
1FORCECONV
- GREWAL;N.S. SAXENA;S.C.
"EFFECT OF SURFACE ROUGHNESS ON HEAT TRANSFER FROM
HORIZONTAL IMMERSED TUBES IN A FLUIDIZED BED"
JOURNAL OF HEAT TRANSFER, VOL.101, NO.3, 1979, PP.1-7
142023 1979 JHT COMPOUNDTECH
1FORCECONV ROUGHSURF ADDFORGASES
- GREWAL;N.S. SAXENA;S.C.
"HEAT TRANSFER BETWEEN A HORIZONTAL TUBE AND A GAS-SOLID
FLUIDIZED BED"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL. 23,
1980, PP. 1505-1519
142021 1980 IJHMT COMPOUNDTECH
1FORCECONV EXTENDED SURF ADDFORGASES
- GREWAL;N.S. SAXENA;S.C.
"MAXIMUM HEAT TRANSFER COEFFICIENT BETWEEN A HORIZONTAL TUBE
AND A GAS-SOLID FLUIDIZED BED"
INDUSTRIAL AND ENGINEERING CHEMISTRY PROCESS (DESIGN) AND
DEVELOPMENT, VOL.20, NO.1, 1981, PP.108-116
- 082151 1981 ** ADDFORGASES
1FORCECONV
- GREWAL;N.S.
"A CORRELATION FOR MAXIMUM HEAT TRANSFER COEFFICIENT
BETWEEN A HORIZONTAL TUBE AND A GAS-SOLID FLUIDIZED
BED OF SMALL PARTICLES"
LETTERS IN HEAT AND MASS TRANSFER, VOL.9, NO.5, 1982, PP.
377-384
082157 1982 LHMT ADDFORGASES
1FORCECONV
- GRISOM;W.M. WIERUM;F.A.
"LIQUID SPRAY COOLING OF A HEATED SURFACE"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.24,
1981, PP.261-271
082066 1981 IJHMT ADDFORGASES
1FORCECONV
- GUTFINGER;C. ABUAF;N.
"HEAT TRANSFER IN FLUIDIZED BEDS"
ADVANCES IN HEAT TRANSFER, VOL.10, ACADEMIC PRESS, NEW YORK,
1974, PP.167-215
082109 1974 ** ADDFORGASES
1FORCECONV
- HAEGAWA;S. ECHIGO;R. KANEMARU;K.
ICHIMIYA;K. SANUI;M.
"EXPERIMENTAL STUDY ON FORCED CONVECTIVE HEAT TRANSFER OF
FLOWING GASEOUS SOLID SUSPENSION AT HIGH TEMPERATURE"
INTERNATIONAL JOURNAL OF MULTIPHASE FLOW, VOL.9, NO.2,
1983, PP.131-145
082145 1983 ** ADDFORGASES
1FORCECONV
- HANRATTY;T.J.
"NATURE OF WALL HEAT TRANSFER COEFFICIENT IN PACKED BEDS"
CHEMICAL ENGINEERING SCIENCE, VOL.3, 1954, PP.209-214
082071 1954 CES ADDFORGASES
1FORCECONV
- HAQUE;H. BOOTHROYD;R.G.
"HEAT AND MOMENTUM TRANSFER ANALOGY IN DENSE AEROSOLS
FLOWING TURBULENTLY IN DUCTS"
POWDER TECHNOLOGY, VOL.2, 1969, PP.305-307
082049 1969 ** ADDFORGASES
1FORCECONV
- HARWELL;W.M.
"HEAT TRANSFER AND PRESSURE LOSS CHARACTERISTICS OF CARBON
DIOXIDE/GRAPHITE SUSPENSIONS IN TUBULAR HEATERS"
PROCEEDINGS OF CONFERENCE ON DUST COOLING, FIRST DAY, QUEEN
MARY COLLEGE, LONDON, DECEMBER 1964, PP.66-74
082043 1964 ** ADDFORGASES
1FORCECONV
- HASEGAWA;S. ECHIGO;R.
"HIGH FLUX HEAT TRANSFER IN GASEOUS SOLID SUSPENSION FLOW"
HEAT TRANSFER IN ENERGY PROBLEMS, PROCEEDINGS OF THE JAPAN-
UNITED STATES JOINT SEMINAR 1980, TOKYO, JAPAN, SEPTEMBER
1980, PP.125-132
082148 1980 ** ADDFORGASES
1FORCECONV
- HAWES;R.I. HOLLAND;E. KIRBY;G.J.
WALLER;P.
"AN EXPERIMENTAL INVESTIGATION INTO HEAT TRANSFER AND
PRESSURE DROP PROPERTIES OF GASEOUS SUSPENSIONS OF SOLIDS"
ATOMIC ENERGY ESTABLISHMENT WINFRITH REPORT AEW-R-244, 1964
082040 1964 ** ADDFORGASES
1FORCECONV
- HAWES;R.I. GARTON;D.A.
"HEAT EXCHANGER FOULING WITH DUST SUSPENSIONS"
CHEMICAL AND PROCESS ENGINEERING, VOL.48, NO.8, 1967, PP.
143-145, 150
082048 1967 CPE ADDFORGASES
1FORCECONV
- HAWES;R.I.
"HEAT TRANSFER AND PRESSURE DROP CHARACTERISTICS OF GASEOUS
SUSPENSIONS OF SOLIDS"

BRITISH CHEMICAL ENGINEERING, JUNE 1965, P.414
062099 1965 ** ADDFORGASES
1FORCECONV

HEYT;J.W.
"EVAPORATION AND LIQUID FILM DRY-OUT IN BINARY SPRAY FLOW"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS, PAPER NO.72-HT-30, 1972
062033 1972 ASME ADDFORGASES
1FORCECONV

HISHIDA;K. MAEDA;M. IKAI;S.
"EXPERIMENTAL SYUDY ON HEAT TRANSFER IN BINARY MIST FLOW
(EFFECT OF INCIDENCE ANGLES OF A PLATE)"
HEAT TRANSFER - JAPANESE RESEARCH, VOL.10, NO.4, 1981
PP.71-87
082156 1981 HTJR ADDFORGASES
1FORCECONV

HISHIDA;K. MAEDA;M. IKAI;S.
"HEAT TRANSFER FROM A FLAT PLATE IN TWO-COMPONENT MIST
FLOW"
JOURNAL OF HEAT TRANSFER, VOL.102, 1980, PP.513-518
082166 1980 JHT ADDFORGASES
1FORCECONV

HISHIDA;K. MAEDA;M. IKAI;S.
"HEAT TRANSFER IN TWO-COMPONENT MIST FLOW: BOUNDARY
LAYER STRUCTURE OF AN ISOTHERMAL PLATE"
HEAT TRANSFER 1982, VOL.5, HEMISPHERE PUBLISHING
CORPORATION, WASHINGTON, D.C., 1982, PP.301-306
082167 1982 VIIHTC ADDFORGASES
1FORCECONV

HODGSON;J.W. SATERBAK;R.T. SUNDERLAND;J.E.
"AN EXPERIMENTAL INVESTIGATION OF HEAT TRANSFER FROM A
SPRAY COOLED ISOTHERMAL CYLINDER"
JOURNAL OF HEAT TRANSFER, VOL.90, 1968, PP.457-463
082102 1968 JHT ADDFORGASES
1FORCECONV

JEPSON;G. POLL;A. SMITH;W.
"HEAT TRANSFER FROM GAS TO WALL IN A GAS/SOLIDS TRANSPORT
LINE"
TRANSACTIONS OF THE INSTITUTION OF CHEMICAL ENGINEERS, VOL.
41, 1963, PP.207-211
082014 1963 ** ADDFORGASES
1FORCECONV

KALS;W.
"WET-SURFACE AIRCOOLERS"
CHEMICAL ENGINEERING, JULY 26, 1971, PP.90-94
082103 1971 CE ADDFORGASES
1FORCECONV

KAPINOS;V.M. SLITENKO;A.F. CHIRKIN;N.B.
POVOLOTSKIY;L.V.
"HEAT TRANSFER IN THE ENTRANCE SECTION OF A PIPE WITH A
TWO-PHASE FLOW"
HEAT TRANSFER - SOVIET RESEARCH, VOL.7, NO.2, 1975,
PP.126-128
082081 1975 HTSR ADDFORGASES
1FORCECONV

KARPENKO;A.I. SYROMYATNIKOV;N.I. VASANOVA;L.K.
GALIMULIN;N.N.
"RADIAL HEAT CONDUCTION IN A LIQUID-FLUIDIZED BED"
HEAT TRANSFER - SOVIET RESEARCH, VOL.8, NO.1, 1976, PP.110-116
082120 1976 HTSR ADDFORGASES
1FORCECONV

KIM;J.M.
"PRESSURE DROP AND HEAT TRANSFER IN COCURRENT DOWNFLOW OF
GAS-SOLIDS SUSPENSIONS"
DISSERTATION, THE UNIVERSITY OF UTAH, 1979
082147 1979 ** ADDFORGASES
1FORCECONV

KOROLEV;V.N. SYROMYATNIDOV;N.I.
"HEAT TRANSFER FROM A SURFACE WITH ARTIFICIAL ROUGHNESS TO
A FLUIDIZED BED"
JOURNAL OF ENGINEERING PHYSICS, VOL.28, 1975, PP.698-700

022141 1975 JEP ROUGHSURF
ADDFORGASES 1FORCECONV

KOSKY;P.G.
"HEAT TRANSFER TO A SATURATED MIST FLOWING NORMALLY TO A
HEATED CYLINDER"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.19, 1970
PP.539-544
082085 1976 IJHMT ADDFORGASES
1FORCECONV

KRATCVIL;M.T.
"HEAT TRANSFER FROM A HORIZONTAL BUNDLE OF CONTINUOUS,
HELICAL FINNED TUBES IN AN AIR FLUIDIZED BED"
M.S. THESIS, MONTANA STATE UNIV, DEC. 1976
082110 1976 ** ADDFORGASES
1FORCECONV
NHC

KRAUSE;W.B. PETERS;A.R.
"HEAT TRANSFER FROM A HORIZONTAL SERRATED FINNED TUBE IN AN
AIR-FLUIDIZED BED OF UNIFORMLY-SIZED PARTICLES"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.80-HT-48,
1980.
032247 1980 ASME EXTENDED SURF
1FORCECONV ADDFORGASES

KREID;D.K. JOHNSON;B.M. FALETTI;D.W.
"APPROXIMATE ANALYSIS OF HEAT TRANSFER FROM THE SURFACE
OF A WET FINNED HEAT EXCHANGER"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.78-WA-26,
1978
142018 1978 ASME COMPOUNDTECH
1FORCECONV EXTENDED SURF ADDFORGASES

KREID;D.K. PARRY;H.L. MC GOWEN;L.J.
JOHNSON;B.M.
"PERFORMANCE OF A PLATE FIN AIR-COOLED HEAT EXCHANGER WITH
DELUGED WATER AUGMENTATION"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.
79-WA/ENER-1, 1979.
082137 1979 ASME ADDFORGASES
1FORCECONV EXTENDED SURF

KUBIE;J. BROUGHTON;J.
"A MODEL OF HEAT TRANSFER IN GAS FLUIDIZED BEDS"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.18,
1975, PP.289-299
082111 1975 IJHMT ADDFORGASES
1FORCECONV

LEIDENFROST;W. KORENIC;B.
"ANALYSIS OF EVAPORATIVE COOLING AND ENHANCEMENT OF
CONDENSER EFFICIENCY AND COEFFICIENT OF PERFORMANCE"
WAERME- UND STOFFUEBERTRAGUNG, VOL.12, 1979, PP.5-23.
142022 1979 ** COMPOUNDTECH
1FORCECONV EXTENDED SURF ADDFORGASES

LEIDENFROST;W. KORENIC;B.
"EVAPORATIVE COOLING AND HEAT TRANSFER AUGMENTATION
RELATED TO REDUCED CONDENSER TEMPERATURES"
HEAT TRANSFER ENGINEERING, VOL.3, NOS.3-4, 1982, PP.
38-59
082162 1982 HTE ADDFORGASES
1FORCECONV

LETNER;M.P.
"A STUDY OF PACKED-BED HEAT EXCHANGERS"
S.B. THESIS, MASSACHUSETTS INSTITUTE OF TECHNOLOGY, 1972
082069 1972 MIT ADDFORGASES
1FORCECONV
NHC

LEVA;M.
"PACKED-TUBE HEAT TRANSFER"
INDUSTRIAL AND ENGINEERING CHEMISTRY, VOL.42, 1950,
PP.2498-2501
082064 1950 IEC ADDFORGASES
1FORCECONV

LEVA;M. GRUMMER;M.
"HEAT TRANSFER TO GASES THROUGH PACKED TUBES. EFFECT OF

PARTICLE CHARACTERISTICS"

INDUSTRIAL AND ENGINEERING CHEMISTRY, VOL.40, 1948,
PP.415-419082067 1948 IEC ADDFORGASES
1FORCECONV

LEVA;M.

"HEAT TRANSFER TO GASES THROUGH PACKED TUBES. GENERAL
CORRELATION FOR SMOOTH SPHERICAL PARTICLES"
INDUSTRIAL AND ENGINEERING CHEMISTRY, VOL.39, 1947,
PP.857-862082068 1947 IEC ADDFORGASES
1FORCECONV

LUIKOV;A.V.

"THERMODYNAMICS AND HEAT TRANSFER OF GAS-SOLIDS SUSPENSIONS"
PROCEEDINGS OF CONFERENCE ON DUST COOLING, SECOND DAY, QUEEN
MARY COLLEGE, LONDON, DECEMBER 1964, PP.72-79082044 1964 ** ADDFORGASES
1FORCECONV

MAEDA;M.

SAIGUSA;T.

IKAI;S.

"STUDY OF HEAT TRANSFER TO GAS-SOLIDS SUSPENSION. PART 1.
INFLUENCE OF FREE TURBULENCE ON HEAT TRANSFER"
BULLETIN OF THE JAPANESE SOCIETY OF MECHANICAL ENGINEERS,
VOL.19, NO.137, 1976, PP.1317-1325082117 1976 BJSME ADDFORGASES
1FORCECONV

MAMAEV;V.V.

NOSOV;V.S.

SYROMYATNIKOV;N.I.

"HYDRAULIC RESISTANCE AND HEAT TRANSFER IN A PULSATING FLOW
OF A GAS-SOLID MIXTURE"JOURNAL OF ENGINEERING PHYSICS, VOL.31, 1976, PP.1284-1288
082100 1976 JEP ADDFORGASES
FLUIDVIB 1FORCECONV

MAMAEV;V.V.

NOSOV;V.S.

SYROMYATNIKOV;N.I.

"EFFECT OF CONCENTRATION OF SOLID PARTICLES IN AIR ON HEAT
TRANSFER DURING PULSATING FLOW"IZV. VYSSH. UCHEBN. ZAVED. ENERGI., NO.4, 1976, PP.95-98
082076 1976 ** ADDFORGASES
1FORCECONV FLUIDVIB COMPOUNDTech

MAMAEV;V.V.

NOSOV;V.S.

SYROMYATNIKOV;N.I.

"EFFECT OF MAIN FACTORS ON MEAN HEAT TRANSFER OF STEADY AND
OSCILLATING DUST-GAS FLOWS"JOURNAL OF ENGINEERING PHYSICS, VOL.37, NO.1, 1979, PP.
779-784142030 1979 JEP COMPOUNDTech
1FORCECONV ADDFORGASES FLUIDVIB

MATSUMOTO;S.

OHNISHI;S.

MAEDA;S.

"HEAT TRANSFER TO VERTICAL GAS-SOLID SUSPENSION FLOWS"
JOURNAL OF CHEMICAL ENGINEERING, JAPAN, VOL.11, NO.2, 1978
PP.89-95082130 1978 ** ADDFORGASES
1FORCECONV

MC GAW;D.R.

"HEAT TRANSFER IN SHALLOW CROSSFLOW FLUIDIZED BED HEAT
EXCHANGERS - II. EXPERIMENTAL"INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.19,
1976, PP.665-671082112 1976 IJHMT ADDFORGASES
1FORCECONV

MIGAI;V.K.

SHEMAYAKIN;V.N.

MATSNEV;V.V.

ZHITOMIRSKAYA;I.V.
"HEAT TRANSFER ON STAGGERED SMOOTH- AND FINNED-TUBE BUNDLES
IN FLUIDIZED-BED FURNACES AND IN MODEL BEDS"HEAT TRANSFER - SOVIET RESEARCH, VOL.14, NO.3, 1982, PP.
113-116142027 1982 HTSR COMPOUNDTech
1FORCECONV EXTENDED SURF ADDFORGASES

MIGUTSKIY;Y.G.

"HEAT TRANSFER TO AIR-WATER STREAMS"

HEAT TRANSFER - SOVIET RESEARCH, VOL.8, NO.1, 1976, PP.66-70
082119 1976 HTSR ADDFORGASES
1FORCECONV

MIN;K.

CHAO;B.T.

"PARTICLE TRANSPORT AND HEAT TRANSFER IN GAS-SOLID
SUSPENSION FLOW UNDER THE INFLUENCE OF AN ELECTRIC FIELD"
NUCLEAR SCIENCE AND ENGINEERING, VOL.26, 1966, PP.534-546
142001 1966 ** COMPOUNDTech
ADDFORGASES ELECTROFIELD 1FORCECONV

MORI;Y.

NAKAYAMA;W.

"HIGH PERFORMANCE MIST COOLED CONDENSERS FOR GEOTHERMAL
BINARY CYCLE PLANTS"HEAT TRANSFER IN ENERGY PROBLEMS, PROCEEDINGS OF THE JAPAN-
UNITED STATES JOINT SEMINAR 1980, TOKYO, JAPAN, SEPTEMBER
1980, PP.189-196082149 1980 ** ADDFORGASES
1FORCECONV

MORI;Y.H.

NAGAI;K.

FUNABA;H.

KOMOTORI;K.

"COOLING OF FREELY FALLING LIQUID DROPS WITH A SHELL OF
AN IMMISCIBLE VOLATILE LIQUID"JOURNAL OF HEAT TRANSFER, VOL.103, 1981, PP.508-513
082160 1981 JHT ADDFORGASES
1FORCECONV

MUJUMDAR;A.S.

PAKOWSKI;Z.

"EFFECT OF VIBRATION ON IMMERSED SURFACE HEAT TRANSFER IN
A FLUIDIZED BED"ASME-JSME THERMAL ENGINEERING JOINT CONFERENCE PRO-
CEEDINGS, HONOLULU, HAWAII, MARCH 1983, VOL.1, PP.379-385
102025 1983 ** SURFVIB

1FORCECONV ADDFORGASES

NAKAYAMA;W.

KUWAHARA;H.

"HEAT TRANSFER FROM THE HEATED CYLINDERS PROVIDED WITH THE
SURFACE STRUCTURES TO AIR/WATER MIST FLOWS"PROCEEDINGS OF THE SIXTEENTH NATIONAL HEAT TRANSFER
SYMPOSIUM JAPAN, 1979, PP. 376-378.082145 1979 ** ADDFORGASES
1FORCECONV

NATUSCH;H.J.

BLENKE;H.

"WAERMEUEBERTRAGUNG AN RIPPENROHREN IN GAS-FLIESSBETTEN"
VERFAHRENSTECHNIK, VOL.7, 1973, PP.293-296142004 1973 ** COMPOUNDTech
EXTENDED SURF ADDFORGASES 1FORCECONV

NATUSCH;H.J.

BLENKE;H.

"ZUR WAERMEUEBERTRAGUNG AN HORIZONTAL EN LAENGSRIPPENROHREN
IN GAS-FLIESSBETTEN"

VERFAHRENSTECHNIK, VOL.8, 1974, PP.287-293

142014 1974 ** COMPOUNDTech
EXTENDED SURF ADDFORGASES 1FORCECONV

NEWBY;D.C.

HOWARD;J.R.

"THE DEVELOPMENT OF A NOVEL FLUIDIZED BED GAS-TO-GAS HEAT
EXCHANGER"JOURNAL OF HEAT RECOVERY SYSTEMS, VOL.3, NO.1, 1983,
PP.35-40082172 1983 ** ADDFORGASES
1FORCECONV JETIMPINGE

NIKIIN;A.I.

SAPUZHNIKOV;V.V.

BUGACHEV;V.V.

"HEAT TRANSFER IN DUST-LADEN GAS FLOWS"

HEAT TRANSFER - SOVIET RESEARCH, VOL.8, NO.5, 1976, PP.87-93
082126 1976 HTSR ADDFORGASES
1FORCECONV

NITSCH;J.

"HEAT TRANSFER IN WATER DROPLETS AND ITS SIGNIFICANCE IN
THE CALCULATION OF HIGHLY RATED SPRAY COOLERS"CHEMIE-INGENIEUR-TECHNIK, VOL.44, 1972, PP.301-306. WINFRITH
TRANSLATIONS, NO.327, MAY 1973082056 1972 ** ADDFORGASES
1FORCECONV

NOE;A.R.

KNUDSEN;J.G.

"LOCAL AND AVERAGE HEAT TRANSFER COEFFICIENTS IN A FLUIDIZED
BED HEAT EXCHANGER"CHEMICAL ENGINEERING PROGRESS SYMPOSIUM SERIES NO.82, VOL.64,
1968, PP.202-211082090 1968 CEPSS ADDFORGASES
1FORCECONV

- NOSOV;V.S. SYROMYATNIKOV;N.I.
"UTILIZATION OF A DUST-CONTAINING GAS CARRIER AS A MEANS OF
INTENSIFYING THE PROCESSES OF HEAT EMISSION IN HEAT
EXCHANGING APPARATUS"
V SB. RESP. NAUCHNO-TEKH. KONFERENTSIYA PO DOPLEKSN.
ISPOLZ. TAPLA I TOPLIVA V PROM-STI-B.M., KIEVSK, UN-TA,
1964, PP.261-265
082016 1964 ** ADDFORGASES
1FORCECONV
- NOSOV;V.S. SYROMYATNIKOV;N.I.
"LAWS OF HEAT LOSS FOR FINELY DISPERSED FLOWS"
SOVIET PHYSICS DOKLADY, VOL.10, NO.7, 1966, PP.672-674
082045 1966 ** ADDFORGASES
1FORCECONV
- OSHIMA;T IUCHI;S YOSHIDA;A
TAKAMATSU;K.
"DESIGN CALCULATION METHOD OF AIR-COOLED HEAT
EXCHANGERS WITH WATER SPRAY"
HEAT TRANSFER - JAPANESE RESEARCH, VOL.1, NO.4, 1972, PP.
47-55
062104 1972 HTJR ADDFORGASES
1FORCECONV
- PALCHENOK;G.I. TAMARIN;A.I. ZABRODSKIY;S.S.
"HEAT EXCHANGE BETWEEN HORIZONTAL FINNED TUBE AND A
FLUIDIZED BED OF COARSE PARTICLES"
ABSTRACT FROM THE SIXTH ALL-UNION HEAT AND MASS TRANSFER
CONFERENCE, MINSK, USSR, 1980, HEAT TRANSFER - SOVIET
RESEARCH, VOL.14, NO.1, 1982, P.134
142028 1982 HTSR COMPOUNDTECH
1FORCECONV EXTENDED SURF ADDFORGASES
- PECHENEGOV;Y.Y. KASHIRSKIY;V.G.
"HEAT TRANSFER TO SUSPENDED PARTICLES IN HORIZONTAL GAS
FLOWS"
IZVESTIYA OF THE INSTITUTION OF HIGHER EDUCATION OF THE
USSR: ENERGETICS, VOL.9, 1974, PP.110-115
082063 1974 ** ADDFORGASES
1FORCECONV
- PESKIN;R.L. DWYER;H.A.
"A STUDY OF THE MEAN FLOW CHARACTERISTICS OF GAS-SOLID
SUSPENSIONS"
ATOMIC ENERGY COMMISSION REPORT NYO-2930-1, FEBRUARY 1964
082017 1964 AEC ADDFORGASES
1FORCECONV
NHC
- PESKIN;R.L. RIN;C.H.
"A STUDY OF THE EFFECT OF THE PRESENCE OF SUSPENDED SOLIDS
ON LAGRANGIAN PROPERTIES OF FLUID TURBULENCE"
ATOMIC ENERGY COMMISSION REPORT NYO-2930-2, MARCH 1964
082018 1964 AEC ADDFORGASES
1FORCECONV
- PESKIN;R.L. BRILLER;R.
"A STUDY OF THE MECHANISMS OF GAS SOLID SUSPENSION, HEAT
TRANSFER, AND FRICTION FACTOR"
TECHNICAL REPORT 123-MAE-F, NYO-2930-14, RUTGERS UNIVERSITY,
JANUARY 1969
082051 1969 AEC ADDFORGASES
1FORCECONV
- PESKIN;R.L.
"BASIC STUDIES IN GAS-SOLID SUSPENSION"
TECHNICAL REPORT 133-MAE-F, NYO-2930-15, RUTGERS UNIVERSITY,
FEBRUARY 1970
082053 1970 AEC ADDFORGASES
1FORCECONV
- PETRIE;J.C. FREEBY;W.A. BUCKHAM;J.A.
"IN-BED HEAT EXCHANGERS"
CHEMICAL ENGINEERING PROGRESS, VOL. 64, NO. 7, 1968,
PP. 45 - 50
082113 1968 CEP ADDFORGASES
1FORCECONV
- PFEFFER;R. ROSSETTI;S. LIEBLEIN;S.
"ANALYSIS AND CORRELATION OF HEAT-TRANSFER COEFFICIENT
AND FRICTION FACTOR DATA FOR DILUTE GAS-SOLID SUSPENSIONS"
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION TECHNICAL NOTE
D-3603, 1966
000024 1966 NASATN LITSURVEY
ADDFORGASES 1FORCECONV
- PFEFFER;R. ROSSETTI;S. LIEBLEIN;S.
"THE USE OF A DILUTE GAS-SOLID SUSPENSION AS THE WORKING
FLUID IN A SINGLE LOOP BRAYTON SPACE POWER GENERATION CYCLE"
AMERICAN INSTITUTE OF CHEMICAL ENGINEERS, PAPER 49C,
PRESENTED AT NATIONAL MEETING, 1967
082025 1967 AICHE ADDFORGASES
1FORCECONV
NHC
- PRIEBE;S.J.
"HEAT TRANSFER FROM A HORIZONTAL BUNDLE OF FINNED TUBES TO
AN AIR FLUIDIZED BED"
PH.D. THESIS, MONTANA STATE UNIVERSITY, 1975
142005 1975 ** COMPOUNDTECH
ADDFORGASES EXTENDED SURF 1FORCECONV
- PRIKHODCHENKO;G.D.
"VARIABLES IN EQUATION FOR CALCULATING THE TRANSFER OF HEAT
ON THE WALLS OF SPRAY EVAPORATOR"
HEAT TRANSFER-SOVIET RESEARCH, VOL.11, NO.2, 1979, PP.99-102.
082138 1979 HTSR ADDFORGASES
1FORCECONV
- QUINTON;J.H. STORROW;J.A.
"HEAT TRANSFER TO AIR FLOWING THROUGH PACKED TUBES"
CHEMICAL ENGINEERING SCIENCE, VOL.5, NO.6, 1956, PP.245-257
082065 1956 CES ADDFORGASES
1FORCECONV
- RAO;S.R.M. RAO;M.R.
"FLOW AND HEAT TRANSFER STUDIES IN AN AIR-FLUIDIZED BED WITH
A SPIRALLY GROOVED INTERNAL TUBE"
PROCEEDINGS FIFTH NATIONAL HEAT AND MASS TRANSFER
CONFERENCE, HYDERBAD, INDIA, FEBRUARY 1980, PP.283-291
142029 1980 ** COMPOUNDTECH
ROUGH SURF ADDFORGASES 1FORCECONV
- REISING;G.F.S.
"DUST SUSPENSION - A NOVEL HEAT TRANSFER MEDIUM"
CHEMICAL AND PROCESS ENGINEERING, VOL.46, 1965, PP.436-443
082021 1965 CPE ADDFORGASES
1FORCECONV
- RHODE;G.K. ROBERTS;D.M. SCHLUDERBERG;D.C.
WALSH;E.E.
"GAS-SUSPENSION COOLANTS FOR POWER REACTORS"
PROCEEDINGS OF THE AMERICAN POWER CONFERENCE, VOL.22, 1960,
PP.127-130
082005 1960 ** ADDFORGASES
1FORCECONV
- RICS;G. GIBERI;H. COUDERC;J.P.
"MECHANICAL AGITATION OF GAS FLUIDISED BEDS. II: THERMAL
STUDY IN THE PERMANENT REGIME"
CHEMICAL ENGINEERING JOURNAL, VOL.13, NO.2, 1977, PP.
111-118
142042 1977 CEJ COMPOUNDTECH
ADDFORGASES MECHAID 1FORCECONV
- ROCHE;M.R.
"DESIGN, CONSTRUCTION AND OPERATION OF GRAPHITE GAS LOOP
AND REPORTS OF EXPERIMENT ON IT"
PROCEEDINGS OF CONFERENCE ON DUST COOLING, FIRST DAY, QUEEN
MARY COLLEGE, LONDON, DECEMBER 1964, PP.11-13
082039 1964 ** ADDFORGASES
1FORCECONV
- ROCHE;R. MOUSSEZ;C. ROUVILLOIS;X.
BREVET;R.
"SUSPENSION DE GRAPHITE DANS LE GAZ CARBONIQUE"

COMMISSARIAT A L'ENERGIE ATOMIQUE REPORT CEA-R2741, 1965
082020 1965 CEA ADDFORGASES
1FORCECONV

RUDLAND;R.S. SUNDERLAND;J.E.
"AN EXPERIMENTAL STUDY OF HEAT TRANSFER FROM THE WAKE REGION
OF A SPRAY COOLED ISOTHERMAL CYLINDER"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.77-HT-33,
1977
082122 1977 ASME ADDFORGASES
1FORCECONV

RYZHKOV;A.F. BASHAKOV;A.P. MUNT;V.A.
"HEAT TRANSFER FROM A HOT SURFACE TO A VIBRATED FLUIDIZED
BED"
HEAT TRANSFER - SOVIET RESEARCH, VOL.6, NO.5, 1976,
PP.136-140
082128 1976 HTSR ADDFORGASES
1FORCECONV FLUIDVIB

SADLER;S.C.
"HEAT TRANSFER TO AIR-SOLIDS SUSPENSIONS IN TURBULENT FLOW"
INDUSTRIAL AND ENGINEERING CHEMISTRY PROCESS, DESIGN AND
DEVELOPMENT, VOL.11, 1972, PP.133-135
082054 1972 ** ADDFORGASES
1FORCECONV

SAGOO;M.S.
"THE FALLING CLOUD HEAT EXCHANGER COMMERCIAL PILOT PLANT
OPERATION"
JOURNAL OF HEAT RECOVERY SYSTEMS, VOL.2, NO.1, 1982, PP.
23-30
082171 1982 ** ADDFORGASES
1FORCECONV

SAGOO;M.S.
"THE DEVELOPMENT OF A FALLING CLOUD HEAT EXCHANGER--AIR
AND PARTICLE FLOW AND HEAT TRANSFER"
JOURNAL OF HEAT RECOVERY SYSTEMS, VOL.1, NO.2, 1981,
PP.133-138
082173 1981 ** ADDFORGASES
1FORCECONV

SAPOZHNIKOV;B.G. RESHETKOV;Y.G. KOSENKO;G.O.
KHARISOVA;N.M.
"INVESTIGATION OF LOCAL COEFFICIENTS OF HEAT TRANSFER FROM
BUNDLES OF HORIZONTAL TUBES TO A VIBRATED FLUIDIZED BED"
HEAT TRANSFER - SOVIET RESEARCH, VOL.8, NO.5, 1976,
PP.141-151
082129 1976 HTSR ADDFORGASES
1FORCECONV FLUIDVIB

SAVERY;C.W. GIATTI;M.S.
"THEORY OF AUGMENTED HEAT TRANSFER OVER FINNED SURFACES BY
FOCCING"
WORKSHOP ON DRY COOLING SYSTEMS, FRANKLIN INSTITUTE RESEARCH
LABORATORIES, PHILADELPHIA, JULY 1975, PP.11-1 - 11-2
142008 1975 ** COMPOUNDECH
1FORCECONV EXTENDED SURF ADDFORGASES

SAXENA;S.C. GREVAL;N.S. GABOR;J.D.
ZABRODSKY;S.S. GALERSHTEIN;D.M.
"HEAT TRANSFER BETWEEN A GAS FLUIDIZED BED AND IMMERSED
TUBES"
ADVANCES IN HEAT TRANSFER, ACADEMIC PRESS, NEW YORK, VOL.14,
1978, PP.149-247
000074 1978 AHT LITSURVEY
ADDFORGASES 1FORCECONV

SAXENA;S.C.
"HEAT TRANSFER FROM A BANK OF IMMERSED HORIZONTAL SMOOTH
TUBES IN A FLUIDIZED BED"
LETTERS IN HEAT AND MASS TRANSFER, VOL.6, 1979, PP.225-230.
082135 1979 LHMT ADDFORGASES
1FORCECONV

SCHERBERG;M.G. WRIGHT;H.E. ELROD;W.C.
"HEAT-TRANSFER POTENTIAL OF LIQUID-GAS SPRAY FLOWS"
PROGRESS IN HEAT AND MASS TRANSFER, VOL. 6, 1972
PP. 739 - 752
082105 1972 PHMT ADDFORGASES
1FORCECONV

SCHLUDERBERG;D.C.
"THE APPLICATION OF GAS-CERAMIC MIXTURES TO NUCLEAR POWER"
OAK RIDGE SCHOOL OF REACTOR TECHNOLOGY, ATOMIC ENERGY
COMMISSION REPORT NO.CF 55-8-199, 1955
082001 1955 AEC ADDFORGASES
1FORCECONV
NHC

SCHLUDERBERG;D.C. WHITELAW;R.L. CARLSON;R.W.
"GASEOUS SUSPENSIONS--A NEW REACTOR COOLANT"
NUCLEONICS, VOL.19, NO.8, 1961, PP.67-76
082007 1961 ** ADDFORGASES
1FORCECONV

SCHLUDERBERG;D.C.
"GAS SUSPENSION COOLANTS FOR LARGE NUCLEAR REACTORS"
PROCEEDINGS OF CONFERENCE ON DUST COOLING, FIRST DAY, QUEEN
MARY COLLEGE, LONDON, DECEMBER 1964, PP.1-10
082036 1964 ** ADDFORGASES
1FORCECONV

SCHUKIN;V.K. YAKSHIN;A.A. FILIN;V.A.
IDITULLIN;N.S. NADYROV;N.A.
"CONVECTIVE HEAT EXCHANGE OF GAS-PARTICLE STREAM IN FLOW
PASSAGE OF THROTTLING DEVICE WITH VANE TYPE TURNING ELEMENT"
SOVIET AERONAUTICS, VOL.21, NO.1, 1978, PP.77-80
082082 1978 ** ADDFORGASES
1FORCECONV

SHCHUKIN;V.K. FILIN;V.A. MIRONOV;A.I.
IDITULLIN;N.S. KOVAL'NOGOV;N.N. YAKSHIN;A.A.
NADYROV;N.A. FAKHRUTDINOV;I.K.
"HEAT TRANSFER FROM GAS-SUSPENSION FLOWS WITH INERTIAL
SEPARATION OF SOLIDS AT THE WALL"
HEAT TRANSFER - SOVIET RESEARCH, VOL.8, NO.5, 1976,
PP.117-121
082170 1976 HTSR ADDFORGASES
1FORCECONV

SHIMIZU;A. ECHIGO;R. HASEGAWA;S.
"IMPINGING JET HEAT TRANSFER WITH GAS SOLID SUSPENSION
MEDIUM"
ADVANCES IN ENHANCED HEAT TRANSFER, AMERICAN SOCIETY OF
MECHANICAL ENGINEERS, NEW YORK, 1979, PP.155-160.
082136 1979 ASME ADDFORGASES
1FORCECONV ADDFORLIQUIDS JETIMPINGE

SHIMIZU;A. ECHIGO;R. HASEGAWA;S.
"IMPINGING JET HEAT TRANSFER OF GAS-SOLID SUSPENSION MEDIUM"
TRANSACTIONS OF THE JAPAN SOCIETY OF MECHANICAL ENGINEERS,
VOL.46, NO.409, 1980, PP.1760-1765
172001 1980 ** JETIMPINGE
1FORCECONV ADDFORGASES ADDFORLIQUIDS

SHRAIBER;A.A.
"TURBULENT HEAT TRANSFER CHARACTERISTICS OF SUSPENSIONS
IN A GAS IN TUBES"
THERMOPHYSICS AND HEAT ENGINEERING, VOL.30, 1976, PP.90-95
082078 1976 ** ADDFORGASES
1FORCECONV

SHRAYBER;A.A.
"MODEL OF TURBULENT HEAT TRANSFER BY GAS-SOLID FLOWS"
HEAT TRANSFER - SOVIET RESEARCH, VOL.9, NO.3, 1977 PP.
35-41
082132 1977 HTSR ADDFORGASES
1FORCECONV

SIMPSON;H.C. BEGGS;G.C. SEN;G.N.
"HEAT TRANSFER FROM EXTENDED SURFACE TUBES TO AN AIR/WATER
MIST"
SYMPOSIUM ON MULTI-PHASE FLOW SYSTEMS, UNIVERSITY OF
STRATHCLYDE, APRIL 1974. INSTITUTION OF CHEMICAL ENGINEERS
SYMPOSIUM SERIES NO.38, PAPER H3
082052 1974 ** ADDFORGASES
1FORCECONV

SIMPSON;H.C. BROLLS;E.K.
"HEAT TRANSFER FROM A THICK FLAT PLATE TO AN AIR/WATER MIST
IN TURBULENT FLOW OVER THE PLATE"
SYMPOSIUM ON MULTI-PHASE FLOW SYSTEMS, UNIVERSITY OF

STRATHCLYDE, APRIL 1974. INSTITUTION OF CHEMICAL ENGINEERS
SYMPOSIUM SERIES NO.38.

082115 1974 ** ADDFORGASES
1FORCECONV

SMITH;E.C. GUNTER;A.Y.
"COOLING SYSTEMS COMBINING AIR AND WATER AS THE COOLANT"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.

72-HT-29, 1972
082032 1972 ASME ADDFORGASES
1FORCECONV

SOHN;C.W. CHEN;M.M.
"MICROCONVECTIVE THERMAL CONDUCTIVITY IN DISPERSE TWO-PHASE
MIXTURES AS OBSERVED IN A LOW VELOCITY COULTE FLOW
EXPERIMENT"

AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO. 80-HT-92,
1980
082150 1980 ASME ADDFORGASES
1FORCECONV
NHC

SOMOV;A.K. CHUNAYEV;S.V. NIKOLAYEV;G.I.
ROMANKOV;P.G. MITEV;D.T. RASHKOVSKAYA;N.B.

"HEAT TRANSFER AND KINETICS OF DRYING IN SWIRLED
FLUIDIZED BEDS AND IN VARIABLE MAGNETIC FIELDS"
HEAT TRANSFER - SOVIET RESEARCH, VOL.8, NO.6, 1976,
PP.81-90

142041 1976 HTSR COMPOUNDTECH
ADDFORGASES SWIRLFLO ELECTROFIELD 1FORCECONV

SOO;S.L.
"FLUID DYNAMICS OF MULTIPHASE SYSTEMS"
BLAISDELL PUBLISHING COMPANY, WALTHAM, MASSACHUSETTS, 1967
000025 1967 BPC LITSURVEY
ADDFORGASES 1FORCECONV

SPELT;J.K. BRENNEN;C.E. SABERSKY;R.H.
"HEAT TRANSFER TO FLOWING GRANULAR MATERIAL"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.25,
1982, PP.791-796

082140 1982 IJHMT ADDFORGASES
1FORCECONV

SPOKOYNNY;F.Y. GORBIS;Z.R. SVYATETSKIY;N.V.
ZAGAYNOVA;R.V.

"INVESTIGATION OF COMBINED RADIANT AND CONVECTIVE HEAT
TRANSFER TO AND FROM A TURBULENT GAS-SUSPENSION FLOW"
HEAT TRANSFER - SOVIET RESEARCH, VOL.8, NO.5, 1976,
PP.94-102

082127 1976 HTSR ADDFORGASES
1FORCECONV

STRACH;L. HOCH;M. KOLAR;S.
KORGER;M. KRIZEK;F.

"WAYS OF INTENSIFYING DRYING PROCESSES"
JOURNAL OF ENGINEERING PHYSICS, VOL.19, 1970, PP.
1143-1149

082134 1970 JEP ADDFORGASES
1FORCECONV

SUKOMEL;A.S. TSVETKOV;F.F. KERIMOV;R.V.
"A STUDY OF LOCAL HEAT TRANSFER FROM A TUBE WALL TO A
TURBULENT FLOW OF GAS BEARING SUSPENDED SOLID PARTICLES"

THERMAL ENGINEERING, VOL.14, NO.2, 1967, PP.116-122
082047 1967 TFNG ADDFORGASES
1FORCECONV

SUKOMEL;A.S. ROZHKO;V. KERIMOV;R.
TSVETKOV;F.
"EXPERIMENTAL INVESTIGATION OF HEAT TRANSFER IN PIPE FLOW
OF AN AEROSOL"
HEAT TRANSFER - SOVIET RESEARCH, VOL.6, NO.5, 1976, PP.103-
116

082133 1976 HTSR ADDFORGASES
1FORCECONV

SUKOMEL;A.S. SALKHIN;V.I.
"HEAT TRANSFER OF A PLATE IN A GAS-SUSPENSION FLOW"
HEAT- AND MASS-TRANSFER - VI, IZD, ITMO AN BSSR, VOL.6,
PART 1, 1960, PP.122-126
082154 1980 ** ADDFORGASES

1FORCECONV
NHC

SUO;M.
"CALCULATIONAL METHODS FOR PERFORMANCE OF HEAT EXCHANGERS
ENHANCED WITH FLUIDIZED BEDS"

LETTERS IN HEAT AND MASS TRANSFER, VOL.3, 1976, PP.555-564
082098 1976 LHMT ADDFORGASES
1FORCECONV

THOMAS;W.C. SUNDERLAND;J.E.
"HEAT TRANSFER BETWEEN A PLANE SURFACE AND AIR
CONTAINING SUSPENDED WATER DROPLETS"
INDUSTRIAL AND ENGINEERING CHEMISTRY FUNDAMENTALS, VOL.9,
1970, PP.368-374.

082106 1970 IECF ADDFORGASES
1FORCECONV

TIEN;C.L.
"HEAT TRANSFER BY A TURBULENT FLOWING FLUID-SOLIDS MIXTURES
IN A PIPE"

JOURNAL OF HEAT TRANSFER, VOL.83, 1961, PP.183-188
082006 1961 JHT ADDFORGASES
1FORCECONV

TIEN;C.L. QUAN;V.
"LOCAL HEAT TRANSFER CHARACTERISTICS OF AIR-GLASS AND AIR-
LEAD MIXTURES IN TURBULENT PIPE FLOW"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.

62-HT-15, 1962
082009 1962 ASME ADDFORGASES
1FORCECONV

TOLUBINSKI;V.I. KHOLHLOV;V.D.
"HEAT TRANSFER AND HYDRAULIC RESISTANCE IN DUSTY STREAMS
WITH LONGITUDINAL FLOW AROUND A BUNDLE OF SMOOTH TUBES"
INTERNATIONAL CHEMICAL ENGINEERING, VOL.14, 1974, PP.307-309

082091 1974 ICE ADDFORGASES
1FORCECONV

TOLUBINSKI;V.I. KHOKHLOV;Y.D.
"HEAT TRANSFER AND PRESSURE LOSSES IN FLOWS OF DUST-LADEN
GASES ALONG SMOOTH TUBE BUNDLES"
HEAT TRANSFER- SOVIET RESEARCH, VOL.7, 1975, NO.1, PP.8-11

082092 1975 HTSR ADDFORGASES
1FORCECONV

TOSKUBAEV;I.N. DZAMANBAEV;A.S. TURDUMBETOV;A.I.
"WAERMEAUSTAUSCH ZWISCHEN FLESSBETT UND WAAGERECHT
VERSETZTEN ROEHRENBUENDELN AUS BERIPPTEN ROEHRN MIT RUNDEN
RIPPEN DREIECKIGEN PROFILS"

FREIBERGER FORSCH. H., VOL.625, 1980, PP.19-22
082153 1980 ** ADDFORGASES
1FORCECONV EXTENDED SURF

TREE;D.R. GOLDSCHMIDT;V.W. GARRETT;R.W.
KACH;E.
"EFFECT OF WATER SPRAYS ON HEAT TRANSFER OF A FIN AND TUBE
HEAT EXCHANGER"
HEAT TRANSFER 1978, VOL.4, HEMISPHERE PUBLISHING COMPANY:
WASHINGTON, D.C., 1978, PP.339-344

142012 1978 VIHTC COMPOUNDTECH
1FORCECONV ADDFORGASES EXTENDED SURF

TRELA;M.
"AN APPROXIMATE CALCULATION OF HEAT TRANSFER DURING FLOW OF
AN AIR-WATER MIST ALONG A HEATED FLAT PLATE"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL. 24,
1981, PP. 749-755.

082143 1981 IJHMT ADDFORGASES
1FORCECONV

VAN DER WAAL;M.J. VAN DER VELDEN;P.M. KONING;J.
SMOLDERS;C.A. VAN SWAAY;W.P.M.
"USE OF FLUIDIZED BEDS AS TURBULENCE PROMOTORS IN TUBULAR
MEMBRANE SYSTEMS"
DESALINATION, VOL.22, 1977, PP.465-483

082131 1977 ** ADDFORGASES
1FORCECONV

WACHTELL;G.P. WAGGENER;J.P. STEIGELMANN;W.H.
"EVALUATION OF GAS GRAPHITE SUSPENSION AS NUCLEAR REACTOR

COOLANTS"

ATOMIC ENERGY COMMISSION REPORT NYO-9672, 1961
082008 1961 AEC ADDFORGASES
1FORCECONV
NHC

WACHTELL;G.P.

"ATOMIZED WATER INJECTION TO IMPROVE DRY COOLING TOWER
PERFORMANCE"
WORKSHOP ON DRY COOLING SYSTEMS, FRANKLIN INSTITUTE RESEARCH
LABORATORIES, PHILADELPHIA, JULY 1975, PP.10-1 - 10-3
082124 1975 ** ADDFORGASES
1FORCECONV

WAGGENER;J.P.

"SIMULTANEOUS DIRECT DETECTION OF PLATEOUT AND SURFACE
TEMPERATURE"
PROCEEDINGS OF CONFERENCE ON DUST COOLING, FIRST DAY, QUEEN
MARY COLLEGE, LONDON, DECEMBER 1964, PP.51-65
082042 1964 ** ADDFORGASES
1FORCECONV

WAHI;M.K.

"HEAT TRANSFER TO FLOWING GAS-SOLID MIXTURES"
JOURNAL OF HEAT TRANSFER, VOL.99, 1977, PP.145-148
082116 1977 JHT ADDFORGASES
1FORCECONV

WEN;C.Y.

MILLER;E.N.

"HEAT TRANSFER IN SOLIDS-GAS TRANSPORT LINES"
INDUSTRIAL AND ENGINEERING CHEMISTRY, VOL.53, 1961, PP.51-53
082037 1961 IEC ADDFORGASES
1FORCECONV

WHITAKER;S.

"FORCED CONVECTION HEAT TRANSFER CORRELATIONS FOR FLOW IN
PIPES, FLAT PLATES, SINGLE CYLINDERS, SINGLE SPHERES,
AND FLOW IN PACKED BEDS AND TUBE BUNDLES"
AMERICAN INSTITUTE OF CHEMICAL ENGINEERS JOURNAL, VOL.18,
1972, PP.361-371
082070 1972 AICHEJ ADDFORGASES
1FORCECONV

WILKINSON;G.T.

NORMAN;J.R.

"HEAT TRANSFER TO A SUSPENSION OF SOLIDS IN A GAS"
TRANSACTIONS OF THE INSTITUTION OF CHEMICAL ENGINEERS, VOL.
45, 1967, PP.T314-T318
082026 1967 ** ADDFORGASES
1FORCECONV

WOODCOCK;M.T.

WORLEY;W.G.

"GAS-SOLIDS SUSPENSIONS AS HEAT TRANSFER MEDIA"
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS, VOL.
81, PART 31, 1966-1967, PP.17-33
082046 1966 1967 PIME
ADDFORGASES 1FORCECONV

YAGI;S.

WAKAC;N.

"HEAT AND MASS TRANSFER FROM WALL TO FLUID IN PACKED BEDS"
AMERICAN INSTITUTE OF CHEMICAL ENGINEERS JOURNAL, VOL.5,
1959, PP.79-85
082073 1959 AICHEJ ADDFORGASES
1FORCECONV

YAGI;S.

KUNII;D.

"STUDIES ON HEAT TRANSFER NEAR WALL SURFACE IN PACKED BEDS"

AMERICAN INSTITUTE OF CHEMICAL ENGINEERS JOURNAL, VOL.6,
1960, PP.97-104
082074 1960 AICHEJ ADDFORGASES
1FORCECONV

YANG;W.J.

CLARK;D.W.

"SPRAY COOLING OF AIR-COOLED COMPACT HEAT EXCHANGERS"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.18,
1975, PP.311-317
082077 1975 IJHMT ADDFORGASES
ROUGHSURF EXTENDED SURF 1FORCECONV

YASUTOMI;T.

YOKOTA;S.

"HEAT TRANSFER FROM THE SURFACE OF A BODY FIXED IN A
FLUIDIZED BED"
KAGAKU KOGAKU RONBUNSHU, VOL.2, 1976, PP.205-211
082079 1976 ** ADDFORGASES
1FORCECONV

YOUSFI;Y.

GAU;G.

I.F. GOFF;P.

"HEAT TRANSFER TO AN AIR-SOLID SUSPENSION AT HIGH
CONCENTRATION AND LOW VELOCITY"
HEAT TRANSFER 1974, VOL.V, JAPAN SOCIETY OF MECHANICAL
ENGINEERS, TOKYO, 1974, PP.218-222
082080 1974 VIHTC ADDFORGASES
1FORCECONV

ZABRODSKY;S.S.

ANTONISHIN;N.V.

PARNAS;A.L.

"ON FLUIDIZED BED-TO-SURFACE HEAT TRANSFER"
CANADIAN JOURNAL OF CHEMICAL ENGINEERING, VOL. 54, 1976,
PP. 52-58
082114 1976 CJCE ADDFORGASES
1FORCECONV LITSURVEY

ZABRODSKY;S.S.

EPANOV;Y.G.

GALERSHTEIN;D.M.

SAXENA;S.C. KOLAR;A.K.
"HEAT TRANSFER IN A LARGE-PARTICLE FLUIDIZED BED WITH
IMMERSED IN-LINE AND STAGGERED BUNDLES OF HORIZONTAL SMOOTH
TUBES"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL. 24
1981, PP. 571-579.
082144 1981 IJHMT ADDFORGASES
1FORCECONV

ZAKKAY;V

MILLER;G.

"ADVANCED HEAT EXCHANGER CONFIGURATIONS FOR COAL-FIRED
FLUIDIZED BEDS"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.78-WA/HT-
40, 1978
142017 1978 ASME COMPOUNDTECH
1FORCECONV ADDFORGASES EXTENDED SURF

ZENZ;F.A.

OTHMER;D.E.

"FLUIDIZATION AND FLUID-PARTICLE SYSTEMS"
REINHOLD PUBLISHING CORPORATION, NEW YORK, 1960
000019 1960 ** LITSURVEY
ADDFORGASES 1FORCECONV NHC

ZHITMORSKAYA;I.V.

MIGAI;V.K.

RASSUDOV;N.S.

"INVESTIGATION OF HEAT TRANSFER OF STAGGERED BUNDLES OF
PLAIN AND FINNED TUBES IN A FLUIDIZED BED"
THERMAL ENGINEERING, VOL.29, NO.1, 1982, PP.37-39
082159 1982 TENG ADDFORGASES
1FORCECONV

ADDITIVES FOR GASES -- CONDENSATION

CROIX;J.M. LAURO;F.
 "ENHANCEMENT OF HEAT TRANSFER IN A CONDENSER BY ADDING AN
 ORGANIC DROPWISE PROMOTER TO THE STEAM"
 NATIONAL ENGINEERING LABORATORY REPORT NO.619, 1976, PP.83-8
 085004 1976 ** ADDFORGASES
 CONDENSATION
 NHC

ISACHENKO;V.P. SOLODOV;A.P. MAL'TSEV;A.P.
 "HEAT TRANSFER WITH DROPWISE CONDENSATION RESULTING FROM THE
 INJECTION OF A WATER REPELLENT INTO THE STEAM"
 THERMAL ENGINEERING, VOL.23, NO.12, 1977, PP.65-68
 085005 1977 TENG ADDFORGASES
 CONDENSATION

OSMENT;B.D.J.
 "PROMOTION OF DROPWISE CONDENSATION OF STEAM ON FOULED BRASS
 TUBES BY INJECTION OF PROMOTER AT SUE-ATMOSPHERIC PRESSURE"
 NATIONAL ENGINEERING LABORATORY REPORT NO.59, EAST KILBRIDE,

SCOTLAND, OCTOBER 1962
 085002 1962 ** ADDFORGASES
 CONDENSATION

OSMENT;B.D.J. TUDOR;D. SPEIRS;R.M.M.
 RUGMAN;W.
 "PROMOTERS FOR THE DROPWISE CONDENSATION OF STEAM"
 TRANSACTIONS OF THE INSTITUTION OF CHEMICAL ENGINEERS, VOL.
 40, 1962, PP.152-160
 085003 1962 ** ADDFORGASES
 CONDENSATION

OSMET;B.D.J. TANNER;D.W.
 "PROMOTERS FOR THE DROPWISE CONDENSATION OF STEAM"
 NATIONAL ENGINEERING LABORATORY REPORT, NO. 34, EAST
 KILBRIDE, SCOTLAND, MAY 1962
 085001 1962 NELS ADDFORGASES
 CONDENSATION
 NHC

MECHANICAL AIDS — NATURAL CONVECTION

ANTONISHIN;N.V. NIKITIN;V.S. MARTYNOV;O.G.
 PUCHKOV;G.F.
 "HEAT AND MASS TRANSFER IN A VIBRO-ROTATIONAL BED"
 ABSTRACT FROM THE FIFTH ALL-UNION HEAT AND MASS TRANSFER
 CONFERENCE, MINSK, USSR, 1976, P.128
 141001 1976 ** COMPOUNDTech
 1NATCONV MECHAID SURFVIB

AY;P. WENZLAU;H. GRAMLICH;K.
 "MODELLING OF HEAT AND MASS TRANSPORT IN SCRAPED SURFACE
 HEAT EXCHANGER I. HEAT TRANSPORT"
 CHEMISCHE TECHNIK, VOL.31, NO.7, 1979, PP.341-344
 091007 1979 ** MECHAID
 1NATCONV

CROSSER;O.K. PARK;K.Y.
 "ANALYSIS OF BATCH SCRAPED SURFACE HEAT EXCHANGE"
 INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.23,
 1980, PP.1683-1685
 091008 1980 IJHMT MECHAID
 1NATCCNV

DALLMAN;R.J. DOUGLASS;R.W.
 "CONVECTION IN A ROTATING SPHERICAL ANNULUS WITH A UNIFORM
 AXIAL GRAVITATIONAL FIELD"
 INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.23,
 1980, PP.1303-1312
 091012 1980 IJHMT MECHAID
 1NATCONV

HEIM;A.
 "VERIFICATION OF A MODEL OF MOMENTUM AND HEAT TRANSFER IN
 MIXERS WITH CLOSE-CLEARANCE AGITATORS"
 INTERNATIONAL CHEMICAL ENGINEERING, VOL.20, NO.2, 1980, PP.
 279-288
 091005 1980 ICE MECHAID
 1NATCONV

HOULTON;H.G.
 "HEAT TRANSFER IN THE VOTATOR"
 INDUSTRIAL AND ENGINEERING CHEMISTRY, VOL.36, 1944, PP.522-
 528
 091001 1944 IEC MECHAID
 1NATCCNV

ISHIBASHI;K. YAMANAKA;A. MITSUISHI;N.
 "HEAT TRANSFER IN AGITATED VESSELS WITH SPECIAL TYPES OF
 IMPELLERS"
 JOURNAL OF CHEMICAL ENGINEERING OF JAPAN, VOL.12, 1979,
 PP.230-235
 091004 1979 ** MECHAID
 1NATCONV

KAPPESSAR;R.R.
 "A STUDY OF HEAT AND MASS TRANSPORT FROM A ROTATING CYLINDER
 D.ENG. THESIS IN MECHANICAL ENGINEERING, UNIVERSITY OF
 CALIFORNIA, BERKELEY, 1970
 096004 1970 ** MECHAID
 MASSTRAN 1NATCONV

KERN;D.Q. KARAKAS;H.J.

"MECHANICALLY AIDED HEAT TRANSFER"
 CHEMICAL ENGINEERING PROGRESS SYMPOSIUM SERIES, VOL.55,
 NO.29, 1959, PP.141-148
 091002 1959 CEPSS MECHAID
 1NATCCNV

KURIYAMA;M. OHTA;M. YANAGAWA;K.
 ARAI;K. SAITO;S.
 "HEAT TRANSFER AND TEMPERATURE DISTRIBUTIONS IN AN AGITATED
 TANK EQUIPPED WITH HELICAL RIBBON IMPELLER"
 JOURNAL OF CHEMICAL ENGINEERING OF JAPAN, VOL.14, NO.4,
 1981, PP.323-330
 091010 1981 ** MECHAID
 091014 1981 ** MECHAID
 1NATCCNV

MERKER;G.P. GRIGULL;U.
 "NATURAL CONVECTION IN A SHALLOW CAVITY WITH AND WITHOUT
 ROTATION"
 WÄRME-UND STOFFUEBERTRAGUNG, VOL.8, 1975, PP.101-112
 091014 1975 ** MECHAID
 1NATCCNV

POGGEMANN;R. STEIFF;A. WEINSPACH;P.-M.
 "HEAT TRANSFER IN AGITATED VESSELS WITH SINGLE-PHASE
 LIQUIDS"
 CHEMIE-INGENIEUR-TECHNIK, VOL.51, 1979, PP.948-959
 091006 1979 ** MECHAID
 1NATCONV

SHIMADA;R. OUCHI;M. TAKEYAMA;T.
 "OPTICAL STUDY OF HEAT TRANSFER IN A SCRAPED THERMAL
 BOUNDARY LAYER ON A ROTATING CYLINDER"
 HEAT TRANSFER - JAPANESE RESEARCH, VOL.9, NO.4, 1980,
 PP.43-57
 091013 1980 HTJR MECHAID
 1NATCONV

SUZUKI;K. FUJIGAMI;A. YAMAZAKI;R.
 JIMBO;G.
 "CHARACTERISTICS OF VIBRO-FLUIDIZED BED FOR DYING OF WETTED
 AND AGGLOMERATED PARTICLES"
 JOURNAL OF CHEMICAL ENGINEERING OF JAPAN, VOL.13, NO.6,
 1980, PP.495-
 091011 1980 ** MECHAID
 1NATCCNV

THOMAS;R.H. UHL;V.W.
 "HEAT TRANSFER TO VISCOUS LIQUIDS IN VESSEL WITH HELICAL
 RIBBON AGITATOR"
 AMERICAN INSTITUTE OF CHEMICAL ENGINEERS PREPRINT 7 FOR
 THIRTEENTH NATIONAL HEAT TRANSFER CONFERENCE, DENVER, 1972
 091003 1972 AIChE MECHAID
 1NATCONV

UHL;V.W.
 "MECHANICALLY AIDED HEAT TRANSFER TO VISCOUS MATERIALS"
 AUGMENTATION OF CONVECTIVE HEAT AND MASS TRANSFER,
 AMERICAN SOCIETY OF MECHANICAL ENGINEERS, NEW YORK, 1970,
 PP.109-117
 000018 1970 ACHMT LITSURVEY
 MECHAID 1NATCONV

MECHANICAL AIDS — FORCED CONVECTION

- ALIMOV;R.Z. KASPIN;Y.L.
"HEAT AND MASS TRANSFER IN SINGLE- AND TWO-PHASE FLOWS IN A ROTATING TUBE"
HEAT TRANSFER - SOVIET RESEARCH, VOL.8, NO.6, 1976, PP.65-69
092020 1976 HTSR MECHAID
1FORCECONV POOLBOIL MASSTRAN
- AZOOBY;S. BOTT;T.R.
"LOCAL HEAT TRANSFER COEFFICIENTS IN A MODEL 'FALLING FILM' SCRAPED SURFACE EXCHANGER"
CANADIAN JOURNAL OF CHEMICAL ENGINEERING, VOL.48, 1970, PP.373-377
092001 1970 ** MECHAID
1FORCECONV
- BARABASH;V.M. BRAGINSKII;L.N.
"EVALUATION OF RATES OF HEAT AND MASS TRANSFER IN ARTIFICIALLY AGITATED FLOWS"
JOURNAL OF ENGINEERING PHYSICS, VOL.40, 1981, PP.9-12
092048 1981 JEP MECHAID
1FORCECONV MASSTRAN
- BLASINSKI;H. KUNCEWICZ;C.
"HEAT TRANSFER DURING MIXING OF PSEUDOPLASTIC LIQUIDS BY RIBBON MIXERS"
INZ. CHEM., VOL.9, NO.2, 1979, PP.313-
092046 1979 ** MECHAID
1FORCECONV NHC
- BYLINKIN;B.S. GORSHENIN;P.A.
"THERMAL PROCESSES IN A ROTATING BUBBLE-TYPE HEAT EXCHANGER"
HIGH TEMPERATURE, VOL.20, NO.1, 1982, PP.124-128
092051 1982 ** MECHAID
1FORCECONV
- DE MAERTELEIRE;E.
"HEAT TRANSFER TO A HELICAL COOLING COIL IN A MECHANICALLY AGITATED GAS-LIQUID DISPERSION"
CHEMICAL ENGINEERING SCIENCE, VOL.33, 1978, PP.1107-1113.
092038 1978 CES MECHAID
1FORCECONV
- DOERNER;W.A.
"THE DUPONT ENGINE"
DUPONT CENTRAL RESEARCH DEPARTMENT EXPERIMENTAL STATION REPORT, 1973
092005 1973 ** MECHAID
1FORCECONV
- DOLGIKH;G.M. BOLSHAKOV;A.G. ANIKIN;V.F.
"INVESTIGATION OF HEAT TRANSFER IN A ROTATING HEAT EXCHANGER BY OPTIMIZATION OF PARAMETERS"
JOURNAL OF ENGINEERING PHYSICS, VOL.30, NO.1, 1976, PP.21-27
092028 1976 JEP MECHAID
1FORCECONV
- DOUGLASS;R.W. MUNSON;B.R. SHAUGHNESSY;E.J.
"THERMAL CONVECTION IN ROTATING SPHERICAL ANNULI:-1. FORCED CONVECTION"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL. 21, 1978, PP.1543-1553.
092037 1978 IJHMT MECHAID
1FORCECONV
- EDWARDS;M.F. AYAZI-SHAMLOU;P.
"HEAT TRANSFER IN AGITATED VESSELS AT LOW REYNOLDS NUMBERS"
LOW REYNOLDS NUMBER FLOW HEAT EXCHANGERS, HEMISPHERE PUBLISHING CORPORATION, WASHINGTON, 1983, PP.795-812
092050 1983 ** MECHAID
1FORCECONV
- EISELE;E.H. LEIDENFROST;W. MUTHUNAYAGAM;A.E.
"STUDIES OF HEAT TRANSFER FROM ROTATING HEAT EXCHANGERS"
PROGRESS IN HEAT AND MASS TRANSFER, PERGAMON PRESS, VOL.2, 1969, PP.483-499
092002 1969 PHMT MECHAID
1FORCECONV
- FCDEMSKI;T. STANISZEWSKI;B.
- "EXPERIMENTAL INVESTIGATION OF INSERTION MODELS INTENSIFYING HEAT EXCHANGE"
BULETYN INFORMACYJNY, INSTYTUTU TECHNIKI CIEPLNEJ, POLITECHNIKA WARSZAWSKA, NO.51, 1978, PP.13-40
142026 1978 ** COMPOUNDTech
SWIRLFLO MECHAID 1FORCECONV
- GENTRY;C.C. SMALL;W.M.
"HEAT TRANSFER AND POWER EXPENDITURE FOR AGITATOR VESSELS HAVING BARE AND FINNED, VERTICAL TUBE BAFFLES"
HEAT TRANSFER 1978, VOL.4, HEMISPHERE PUBLISHING COMPANY: WASHINGTON, D.C., 1978, PP.13-18
142013 1978 VIIHTC MECHAID
EXTENDED SURF COMPOUNDTech 1FORCECONV
- GLICKSMAN;L.R.
"ADVANCED CONCEPTS IN DRY COOLING SYSTEMS"
WORKSHOP ON DRY COOLING SYSTEMS, FRANKLIN INSTITUTE RESEARCH LABORATORIES, PHILADELPHIA, JULY 1975, PP.9-1 - 9-2
092026 1975 ** MECHAID
1FORCECONV ADDFORGASES
- HAGGE;J.K. JUNKHAN;G.H.
"MECHANICAL AUGMENTATION OF CONVECTIVE HEAT TRANSFER IN AIR"
JOURNAL OF HEAT TRANSFER, VOL.97, 1975, PP.516-520
092007 1975 JHT MECHAID
1FORCECONV
- HAGGE;J.K. JUNKHAN;G.H.
"EXPERIMENTAL STUDY OF A METHOD OF MECHANICAL AUGMENTATION OF CONVECTIVE HEAT TRANSFER COEFFICIENTS IN AIR"
HEAT TRANSFER LABORATORY REPORT HTL-3, ISU-ERI-AMES-74158, IOWA STATE UNIVERSITY, NOVEMBER, 1974
092008 1974 ISU MECHAID
1FORCECONV
- HEIM;A.
"MODEL OF MOMENTUM AND HEAT TRANSFER IN MIXERS WITH CLOSE-CLEARANCE AGITATORS"
INTERNATIONAL CHEMICAL ENGINEERING, VOL.20, NO.2, 1980, PP. 271-278
092044 1980 ICE MECHAID
1FORCECONV
- JENG;D.R. DEWITT;K.J. LEE;M.H.
"FORCED CONVECTION OVER ROTATING BODIES WITH NON-UNIFORM SURFACE TEMPERATURE"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL. 22, 1979, PP.89-98.
092036 1979 IJHMT MECHAID
1FORCECONV
- JUNKHAN;G.H.
"SOME EFFECTS OF MECHANICALLY-PRODUCED UNSTEADY BOUNDARY LAYER FLOWS ON CONVECTIVE HEAT TRANSFER AUGMENTATION"
JOURNAL OF HEAT TRANSFER, VOL.100, 1978, PP.25-29
092024 1978 JHT MECHAID
1FORCECONV
- KOVATS;F. VARGHA;Z.
"HEAT AND MASS TRANSFER IN SPIRAL VIBRATORY DRYERS"
PROCEEDINGS OF THE CONFERENCE ON SOME ASPECTS OF PHYSICAL CHEMISTRY, BUDAPEST, HUNGARY, 1966, PP.201-208
092006 1966 ** MECHAID
1FORCECONV MASSTRAN
- KUO;C.Y. IIDA;H.T. TAYLOR;J.H.
KREITH;F.
"HEAT TRANSFER IN FLOW THROUGH ROTATING DUCTS"
JOURNAL OF HEAT TRANSFER, VOL.82, 1960, PP.139-151
092013 1960 JHT MECHAID
1FORCECONV
- LEIDENFROST;W. EISELE;E.
"ROTIERENDE WAERMEAUSTAUSCHER UND DIE OPTIMIERUNG EINER WAERMEPUMPE"
KAELTE TECHNIK-KLIMATISIERUNG, VOL.22, 1970, PP.403-413
092003 1970 ** MECHAID
1FORCECONV
- MC ELHINEY;J.E. PRECKSHOT;G.W.
"HEAT TRANSFER IN THE ENTRANCE LENGTH OF A HORIZONTAL

- ROTATING TUBE"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.20,
1977, PP.847-854
092014 1977 IJHMT MECHAID
1FORCECONV
- MIYASHITA;H. HOFFMAN;T.W.
"LOCAL HEAT TRANSFER COEFFICIENTS IN SCRAPED-FILM HEAT
EXCHANGER"
JOURNAL OF CHEMICAL ENGINEERING OF JAPAN, VOL.11, 1978,
PP.444-450.
092035 1978 ** MECHAID
1FORCECONV
- MIYASHITA;H. HOFFMAN;T.W.
"LOCAL HEAT TRANSFER COEFFICIENTS IN WIPED-FILM HEAT
EXCHANGERS"
HEAT TRANSFER 1978, VOL.4, HEMISPHERE PUBLISHING COMPANY:
WASHINGTON, D.C., 1978, PP.1-6
092029 1978 IJHMT MECHAID
1FORCECONV
- MIYAZAKI;H.
"COMBINED FREE AND FORCED CONVECTIVE HEAT TRANSFER AND FLUID
FLOW IN A ROTATING CURVED CIRCULAR TUBE"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.14,
1971, PP.1295-1309
162110 1971 IJHMT COILEDTUBE
1FORCECONV MECHAID COMPOUNDTECH
- MORI;Y. FUKADA;T. NAKAYAMA;W.
"CONVECTIVE HEAT TRANSFER IN A ROTATING RADIAL CIRCULAR
PIPE (2ND REPORT)"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.14,
1971, PP.1807-1824
092015 1971 IJHMT MECHAID
1FORCECONV
- MORI;Y. NAKAYAMA;W.
"CONVECTIVE HEAT TRANSFER IN ROTATING RADIAL CIRCULAR PIPES"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.11,
1968, PP.1027-1039
092031 1968 IJHMT MECHAID
1FORCECONV
- MUKI;Y. NAKAYAMA;W.
"FORCED CONVECTION HEAT TRANSFER IN A STRAIGHT PIPE ROTATING
AROUND A PARALLEL AXIS"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.10,
1967, PP.1179-1194
092030 1967 IJHMT MECHAID
1FORCECONV
- MURKIS;W.D. DIAS;F.M.
"TURBULENT HEAT TRANSFER IN A REVOLVING SQUARE-SECTIONED
TUBE"
JOURNAL OF MECHANICAL ENGINEERING SCIENCE, VOL.22, 1980, PP.
95-101
092017 1980 ** MECHAID
1FORCECONV
- MURKIS;W.D. WOOD;J.L.
"HEAT TRANSFER IN THE ENTRANCE REGION OF TUBES THAT ROTATE
ABOUT A PARALLEL AXIS"
JOURNAL OF MECHANICAL ENGINEERING SCIENCE, VOL.20, 1978,
PP.319-325.
092039 1978 ** MECHAID
1FORCECONV
- MOSYAK;A. RYKOVA;D.G. KOSTRAV;P.O.
GRUZINTSEV;G.I.
"HEAT TRANSFER THROUGH AN ANNULUS WITH A ROTATING INNER
CYLINDER"
HEAT TRANSFER - SOVIET RESEARCH, VOL.9, 1977, NO.4, PP.110-113
092032 1976 HTSR MECHAID
1FORCECONV
- MURAKAMI;M. KIKUYAMA;K. YOKOYAMA;A.
NODA;T. ARAKI;S.
"FLOW OF A FLUID IN A PIPE ROTATING ABOUT ITS LONGITUDINAL
AXIS"
TRANSACTIONS OF THE JAPANESE SOCIETY OF MECHANICAL ENGINEERS
VOL.42, 1976, PP.1784-1793.
092025 1976 ** MECHAID
1FORCECONV
- NAGATA;S. NISHIKAWA;M. KAYAMA;T.
"HEAT TRANSFER TO COOLING COIL ACTING AS ROTATING IMPELLER
IN HIGHLY VISCOUS LIQUIDS"
JAPAN JOURNAL OF CHEMICAL ENGINEERING, VOL.5, PP.187-192
092004 1972 ** MECHAID
1FORCECONV
- NAKAYAMA;W. FUZIOKA;K.
"FLOW AND HEAT TRANSFER IN THE WATER-COOLED ROTOR WINDING OF
A TURBINE GENERATOR"
IEEE POWER ENGINEERING SOCIETY WINTER MEETING, NEW YORK,
JANUARY 1977
092019 1977 ** MECHAID
1FORCECONV
- NETI;S. WARNICK;A.S. LEVY;E.K.
KANNAN;K.S.
"COMPUTATION OF LAMINAR HEAT TRANSFER IN ROTATING
RECTANGULAR DUCTS"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.
83-HT-6, 1983
092049 1983 ASME MECHAID
1FORCECONV
- PATTENDON;R.F. RICHARDS;A.D.
"TESTS ON A ROTATING TUBE HEAT EXCHANGER HAVING CONTROLLED
FLUID FLOW"
INTERNATIONAL DEVELOPMENTS IN HEAT TRANSFER, PROCEEDINGS
OF THE SECOND INTERNATIONAL HEAT TRANSFER CONFERENCE, ASME,
NEW YORK, 1963, PP. 903-911.
092041 1963 IJHMT MECHAID
1FORCECONV
- PETREE;D.K. SMALL;W.M.
"HEAT TRANSFER AND POWER CONSUMPTION FOR AGITATED VESSELS
WITH VERTICAL PLATE COILS"
AMERICAN INSTITUTE OF CHEMICAL ENGINEERS PAPER NO. 8 FOR
FIFTEENTH NATIONAL HEAT TRANSFER CONFERENCE, SAN FRANCISCO,
1975
092023 1975 AIChE MECHAID
1FORCECONV
- PETUKHOV;B.S. POLYAKOV;A.F.
"HEAT TRANSFER AND FRICTION DRAG IN ROTATING PIPES"
IZVESTIA AKADEMII NAUK SSSR, ENERGETIKA I TRANSPORT, VOL.3,
1977, PP.116-133
092021 1977 ** MECHAID
1FORCECONV
NHC
- RAMDAS;Y. UHL;V.W. OSBORNE;M.W.
ORTT;J.R.
"HEAT TRANSFER TO VISCOUS MATERIALS IN A CONTINUOUS FLOW,
SCRAPED-WALL, COMMERCIAL-SIZE HEAT EXCHANGER"
PREPRINTS OF AIChE PAPERS FOR 17TH NATIONAL HEAT TRANSFER
CONFERENCE, SALT LAKE CITY, UTAH, AUGUST, 1977, PP.24-31
092010 1977 AIChE MECHAID
1FORCECONV
- REPUKHOV;V.M. BOGACHUK-KOZAHUK;K.A.
"EFFECT OF SWIRL ON THE MAIN AIR FLOW ON THE EFFICIENCY OF
FILM COOLING IN AXISYMMETRIC AIR FLOW PAST A ROTATING
CYLINDER"
HEAT TRANSFER - SOVIET RESEARCH, VOL.9, NO.2, 1977,
PP.100-104
142015 1977 HTSR COMPOUNDTECH
1FORCECONV SWIRLFLO MECHAID
- RIUS;G. GIBERT;H.
"STUDY OF THERMAL EVOLUTION OF A MECHANICALLY STIRRED GAS-
SOLID FLUIDISED BED"
CANADIAN JOURNAL OF CHEMICAL ENGINEERING, VOL.55, 1977,
PP.666-671
092027 1977 ** MECHAID
1FORCECONV
- RIOS;G. GIBERT;H. COUDERC;J.P.
"MECHANICAL AGITATION OF GAS FLUIDISED BEDS. II: THERMAL

STUDY IN THE PERMANENT REGIME"
 CHEMICAL ENGINEERING JOURNAL, VOL.13, NO.2, 1977, PP.
 111-118
 142042 1977 CEJ COMPOUNDTech
 ADDFCRGASES MECHAID 1FORCECONV

ROBERTSON;M.W. GLICKSMAN;L.R. ROHSENOW;W.M.
 "IMPROVEMENTS OF THE ENVIRONMENTAL AND ECONOMIC
 CHARACTERISTICS OF COOLING TOWERS PART II: PERIODIC COOLING
 TOWERS"
 ENGINEERING PROJECTS LABORATORY REPORT DSR80047-82,
 MASSACHUSETTS INSTITUTE OF TECHNOLOGY, JUNE 1973
 092009 1973 MIT MECHAID
 1FORCECONV

SAFONOV;A.I. KRYLOV;V.S.
 "RELATIONSHIPS GOVERNING HEAT AND MASS TRANSFER IN
 ROTATING BUBBLING BEDS"
 HEAT TRANSFER - SOVIET RESEARCH, VOL.8, NO.6, 1976,
 PP.42-47
 142040 1976 HTSR COMPOUNDTech
 ADDFORLIQUIDS MECHAID 1FORCECONV

SANO;Y. USUI;H. SAITO;E.
 "THE CORRELATION FOR THE HEAT TRANSFER COEFFICIENT ON THE
 OUTSIDE SURFACE OF A HELICAL COIL WITH AGITATION POWER"
 HEAT TRANSFER - JAPANESE RESEARCH, VOL.9, 1980, NO.4,
 PP.31-42
 162135 1980 HTJR COILED TUBE
 1FORCECONV MECHAID

SCHILLING;R. FELSCH;K.O.
 "INVESTIGATION OF PRESSURE LOSS AND FORCED CONVECTIVE HEAT
 TRANSFER IN ROTATING CHANNELS OF ARBITRARY RECTANGULAR
 CROSS-SECTION"
 PROCEEDINGS OF 1978 HEAT TRANSFER AND FLUID MECHANICS
 INSTITUTE, STANFORD UNIVERSITY PRESS, 1978, PP.146-162
 092033 1978 ** MECHAID
 1FORCECONV

SHVETS;I.T. REPUKHOV;V.M. BOGACHUK-KOZACHUK;K.
 "EFFICIENCY OF FILM COOLING OF A ROTATING SURFACE"
 HEAT TRANSFER - SOVIET RESEARCH, VOL.10, NO.5, 1978, PP.
 68-73
 092045 1979 HTSR MECHAID
 1FORCECONV

SKIADARESSIS;D. SPALDING;D.B.
 "HEAT TRANSFER IN DUCTS ROTATING AROUND A PERPENDICULAR AXIS
 HEAT TRANSFER 1978, VOL.2, HEMISPHERE PUBLISHING CORPORATION
 1978, PP.91-95
 092018 1978 VIIHTC MECHAID
 1FORCECONV

SKIADARESSIS;D. SPALDING;D.B.
 "HEAT TRANSFER IN A PIPE ROTATING AROUND A PERPENDICULAR
 AXIS"
 AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.
 77-WA/HT-39, 1977
 092022 1977 ASME MECHAID
 1FORCECONV

SKOCZYLAS;A.
 "CONDITIONS FOR THE APPLICATION OF CORRELATIONS FOR THE

CALCULATION OF SCRAPED-TYPE THIN-LAYER HEAT EXCHANGER"
 INZYNIERIA CHEMICZNA, VOL.8, NO.4, 1978, PP.893-910
 091009 1978 ** MECHAID
 1FORCECONV

SMITH;R.W.
 "APPLICATIONS OF PLATE AND SCRAPED SURFACE HEAT EXCHANGERS
 (IN FOOD MANUFACTURING OPERATIONS)"
 FOOD MANUFACTURING, VOL.47, 1972, PP.37-38,40
 092011 1972 ** MECHAID
 1FORCECONV

STIEFF;A. POGGEMANN;R. WEINSPACH;P.-M.
 "HEAT TRANSFER IN AGITATED VESSELS WITH MULTIPHASE SYSTEMS"
 CHEMIE-INGENIEUR-TECHNIK, VOL.52, NO.6, 1980, PP.492-503
 092047 1980 ** MECHAID
 1FORCECONV FLOBOIL

TANG;S.I. MC DONALD;T.W.
 "A STUDY OF BOILING HEAT TRANSFER FROM A ROTATING HORIZONTAL
 CYLINDER"
 INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL. 14,
 1971, PP.1643-1658
 093003 1971 IJHMT MECHAID
 POOLEOIL 1FORCECONV

TROMMELEN;A.M. BEEK;W.J. VAN DE WESTELAKEN;H.
 "MECHANISM FOR HEAT TRANSFER IN A ROTATOR-TYPE SCRAPED -
 SURFACE HEAT EXCHANGER"
 CHEMICAL ENGINEERING SCIENCE, VOL.26, 1971, PP.1987-2001
 092012 1971 CES MECHAID
 1FORCECONV

VALENZUELA;J.A. GLICKSMAN;L.R.
 "MODELING OF A ROTARY DRY COOLING TOWER"
 AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO 80-HT-95,
 1980.
 092034 1980 ASME MECHAID
 1FORCECONV

VALENZUELA;J.A. GLICKSMAN;L.R.
 "MODELING OF A ROTARY DRY COOLING TOWER"
 JOURNAL OF HEAT TRANSFER, VOL. 103, 1981, PP. 715-719.
 092042 1981 JHT MECHAID
 1FORCECONV ROUGHSURF

VIDYANIDHI;V. SURYANARAYANA;V.V. CHENCHU RAJU;V.C.
 "AN ANALYSIS OF STEADY FULLY DEVELOPED HEAT TRANSFER IN A
 ROTATING STRAIGHT PIPE"
 JOURNAL OF HEAT TRANSFER, VOL.99, 1977, PP.148-150
 092016 1977 JHT MECHAID
 1FORCECONV

VIRA;N.R. FAN;D.-N.
 "HEAT TRANSFER FROM A CONE SPINNING IN A ROTATING FLUID"
 JOURNAL OF HEAT TRANSFER, VOL. 103, 1981, PP. 815-817.
 092043 1981 JHT MECHAID
 1FORCECONV

WOODS;J.L. MORRIS;W.D.
 "A STUDY OF HEAT TRANSFER IN A ROTATING CYLINDRICAL TUBE"
 JOURNAL OF HEAT TRANSFER, VOL.102, 1980, PP.612-616.
 092040 1980 JHT MECHAID
 1FORCECONV

MECHANICAL AIDS — POOL BOILING

- ADAMS;J. MEIER;L.D.
"THE EFFECT OF A SUBMERGED HEATER ON THE HEAT TRANSFER NEAR AN EVAPORATING SURFACE"
CHEMICAL ENGINEERING PROGRESS SYMPOSIUM SERIES NO.102, VOL. 66, 1970, PP.48-54
093002 1969 CEPSS MECHAID
POOLBOIL
- ALIMOV;R.Z. KASPIN;Y.L.
"HEAT AND MASS TRANSFER IN SINGLE- AND TWO-PHASE FLOWS IN A ROTATING TUBE"
HEAT TRANSFER - SOVIET RESEARCH, VOL.8, NO.6, 1976, PP.65-69
092020 1976 HTSR MECHAID
1FCRCECCNV POOLBOIL MASSTRAN
- ANONYMOUS
"BOILER FOR HIGH-QUALITY VAPOR"
MECHANICAL ENGINEERING, NOVEMBER 1972, P.46
093004 1972 ME MECHAID
POOLBOIL
- ARLIDGE;D.E.
"WIPE FILM EVAPORATORS AS PILOT PLANTS"
CHEMICAL ENGINEERING PROGRESS, AUGUST 1983, PP.35-40
093026 1983 CEP MECHAID
POOLBOIL
- BROMLEY;L.A. HUMPHREYS;R.F. MURRAY;W.
"CONDENSATION ON AND EVAPORATION FROM RADIALLY GROOVED ROTATING DISKS"
JOURNAL OF HEAT TRANSFER, VOL.88, 1966, PP.80-93
145002 1966 JHT COMPOUNDTECH
MECHAID ROUGHSURF CONDENSATION POOLBOIL
- BURROWS;M.J. BEVERIDGE;G.S.
"THE CENTRIFUGALLY AGITATED WIPE FILM EVAPORATOR"
CHEMICAL ENGINEER, NO.343, 1979, PP.229-232
093022 1979 ** MECHAID
POOLBOIL
- FREESE;H.L. GREGORY III;W.T.
"VOLUME REDUCTION OF LIQUID RADIOACTIVE WASTES USING MECHANICALLY AGITATED THIN-FILM EVAPORATORS"
AMERICAN INSTITUTE OF CHEMICAL ENGINEERS 85TH NATIONAL MEETING, PHILADELPHIA, PAPER NO. 60B, JUNE 1978
093017 1978 AIChE MECHAID
POOLBOIL
- LANDRY;R.R.
"A STUDY OF THE EFFECT OF ROTATION ON NUCLEATE BOILING FROM A VERTICAL COPPER CYLINDER"
PH.D. THESIS, UNIVERSITY OF MISSOURI - ROLLA, 1975
093010 1975 ** MECHAID
POOLBOIL
- LUSTENADER;E.L. RICHTER;R. NEUGEBAUER;F.J.
"THE USE OF THIN FILMS FOR INCREASING EVAPORATION AND CONDENSATION RATES IN PROCESS EQUIPMENT"
JOURNAL OF HEAT TRANSFER, VOL.81, 1959, PP.297-307
093008 1959 JHT MECHAID
POOLBOIL CONDENSATION TREATSURF EXTENDED SURF
- MACKEN;N.A. PAUL;F.W.
"AUGMENTATION OF STEADY-STATE AND TRANSIENT TWO-PHASE HEAT TRANSFER USING MECHANICAL ACCELERATION"
PREPRINTED AND PRESENTED AT ASHRAE SEMI-ANNUAL MEETING, DALLAS, 1976, ASHRAE TRANSACTIONS, VOL.82, PART 1, 1976, PP.932-940
093011 1976 ASHRAE MECHAID
POOLBOIL
- MARTO;P.J. GRAY;V.H.
"EFFECTS OF HIGH ACCELERATIONS AND HEAT FLUXES ON NUCLEATE BOILING OF WATER IN AN AXISYMMETRIC ROTATING BOILER"
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION TECHNICAL NOTE D-6307, 1971
093005 1971 NASAIN MECHAID
POOLBOIL
- MURATA;Y. YAMAGUCHI;K. TANAKA;S.
"DIRECT CONTACT HEAT TRANSFER IN A RECIRCULATING PLATE COLUMN"
HEAT TRANSFER - JAPANESE RESEARCH, VOL.9, 1980, NO.4, PP.11-18
093024 1980 HTJR MECHAID
POOLBOIL
- NAKAMURA;K. WATANABE;T.
"FUNDAMENTAL INVESTIGATION IN AN AGITATED THIN FILM EVAPORATOR"
BULLETIN OF THE JAPAN SOCIETY OF MECHANICAL ENGINEERS, VOL.22, NO.165, 1979, PP.375-381
093021 1979 BJSME MECHAID
POOLBOIL
- NAKAMURA;K. WATANABE;T.
"FUNDAMENTAL INVESTIGATION OF FLOW IN AN AGITATED THIN FILM EVAPORATOR (3RD REPORT, THEORETICAL ANALYSIS)"
BULLETIN OF THE JAPAN SOCIETY OF MECHANICAL ENGINEERS, VOL.23, 1980, PP.1463-1488
093023 1980 BJSME MECHAID
POOLBOIL
- NEGREANU;M.J. PAUL;F.W.
"AN ANALYTICAL AND EXPERIMENTAL INVESTIGATION OF A ROTATING BOILER"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO. 79-HT-33, 1980.
093020 1979 ASME MECHAID
POOLBOIL
- NICOL;A.A. MC LEAN;J.J.
"FILM HEAT TRANSFER FROM A ROTATING HORIZONTAL CYLINDER"
THE CANADIAN JOURNAL OF CHEMICAL ENGINEERING, VOL.46, 1968, PP.304-308
093009 1968 ** MECHAID
POOLBOIL
- PAUL;F.W. MACKEN;N.A. NEGREANU;M.
"A NEW VAPOR GENERATOR DESIGN FOR RANKINE CYCLE ENGINES"
PROCEEDINGS OF THE NINTH INTERSOCIETY ENERGY CONVERSION ENGINEERING CONFERENCE, 1974, PP.984-990
093015 1974 ** MECHAID
POOLBOIL
- PIARULLI;V.J.
"ANALYTICAL METHOD AND COMPUTER PROGRAM FOR MODELING THE PERFORMANCE OF A WIPE FILM EVAPORATOR"
NUMERICAL METHODS IN THERMAL PROBLEMS, PINERIDGE PRESS, UNITED KINGDOM, 1979, PP.815-826
093025 1979 ** MECHAID
POOLBOIL
- PLEVYAK;T.J.
"IMPROVED BOILING HEAT TRANSFER WITH INDUCED BUBBLE MIXING"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO. 68-WA/HT-29, 1968
093001 1968 ASME MECHAID
POOLBOIL
- PRANUK;F.S. WESTWATER;J.W.
"EFFECT OF AGITATION ON THE CRITICAL TEMPERATURE DIFFERENCE FOR A BOILING LIQUID"
CHEMICAL ENGINEERING PROGRESS SYMPOSIUM SERIES, VOL.52, NO.18, 1956, PP.79-83
093007 1956 CEPSS MECHAID
POOLBOIL
- PUTNAM;A.A. CIGLING;J.A. BUCKEL;W.L.
"AN ANALYSIS OF HEAT TRANSFER IN THE HICKMAN ROTARY EVAPORATOR"
INTERNATIONAL DEVELOPMENT IN HEAT TRANSFER, PROCEEDINGS OF THE 1961-62 HEAT TRANSFER CONFERENCE, BOULDER, COLORADO, 1963, PP.686-694
123032 1963 ** MECHAID
POOLBOIL
- ROETZEL;W.
"A NEW ROTARY PLATE EVAPORATOR"
WÄRME-UND STOFFÜBERTRAGUNG, VOL. 10, NO. 2, PP. 61-70, (CORRECTION: NO.4, P.292)
093013 1977 ** MECHAID
POOLBOIL

ROETZEL;W.
 "LAMINAR FILM SURFACE EVAPORATION WITH UNIFORM HEAT FLUX IN
 A FAST ROTATING DRUM"
 INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.20,
 1977, PP. 549-553
 093018 1977 IJHMT MECHAID
 POOLBOIL

RUPINSKAS;R.L. VOGT;P.M.
 "THIN-FILM EVAPORATORS FOR PROCESSING BWR LIQUID RADWASTE"
 AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.76-WA/NE-4
 1976
 093014 1976 ASME MECHAID
 POOLBOIL

TANG;S.I. MC DONALD;T.W.
 "A STUDY OF BOILING HEAT TRANSFER FROM A ROTATING HORIZONTAL
 CYLINDER"
 INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL. 14,
 1971, PP.1643-1658
 093003 1971 IJHMT MECHAID
 POOLBOIL 1FCRCECONV

TLEIMAT;B.W.
 "PERFORMANCE OF A ROTATING FLAT-DISK WIPED-FILM EVAPORATOR"
 AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.
 71-HT-37, 1971
 093006 1971 ASME MECHAID
 POOLBOIL

TLEIMAT;B.W.
 "DESIGN OF SMALL CAPACITY VAPOR-COMPRESSOR SEAWATER
 DESALINATION PLANT UTILIZING MULTIPLE EFFECT NOVEL
 WIPED-FILM ROTATING-DISK EVAPORATORS"
 NATIONAL WATER SUPPLY IMPROVEMENT JOURNAL, VOL.5, NO.2,
 1976, PP.7-20
 093016 1976 ** MECHAID
 POOLBOIL

VERKIN;B.I. KIRICHENKO;Y.A. KOZLOV;S.M.
 LEVCHENKO;N.M.
 "STUDIES OF CRYOGENIC LIQUID BOILING IN CENTRIFUGAL
 ACCELERATION FIELDS"
 HEAT TRANSFER 1976, VOL.2, HEMISPHERE PUBLISHING COMPANY,
 WASHINGTON, D.C., 1976, PP.117-122
 093027 1976 VIIHTC MECHAID
 POOLBOIL

WANG;C.W. GREIF;R. LAIRD;A.D.K.
 "HEAT TRANSFER IN A ROTATING DISK EVAPORATOR"
 DESALINATION, VOL.33, NO.3, 1980, PP.259-267
 093019 1980 ** MECHAID
 POOLBOIL

WEISSER;H.
 "HEAT TRANSFER IN A SCRAPER COOLER WITH PARTIAL PHASE
 CHANGE"
 CHEMIE - INGENIEUR - TECHNIK, VOL.47, 1975, P.73
 093012 1975 ** MECHAID
 POOLBOIL

MECHANICAL AIDS — FLOW BOILING

ANGELL;C.W. EAIRD;J.L. VIVIAN;J.E.
 "RADWASTE VOLUME REDUCTION"
 CHEMICAL ENGINEERING PROGRESS, VOL.79, NO.5, 1983, PP.52-55
 094005 1983 CEP MECHAID
 FLOBCIL

DAKIN;J.T.
 "VAPORIZATION OF WATER FILMS IN ROTATING RADIAL PIPES"
 INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.21,
 1976, PP.1325-1332.
 094002 1978 IJHMT MECHAID
 FLOBOIL

FREESE;H.L. GLOVER;W.E.
 "MECHANICALLY AGITATED THIN-FILM EVAPORATORS"
 CHEMICAL ENGINEERING PROGRESS, VOL.75, 1979, PP.52-58
 094001 1979 CEP MECHAID
 FLOBCIL

NAKAMURA;K. WATANABE;T.
 "FLOW IN AGITATED THIN FILM EVAPORATOR"
 PAPER PRESENTED AT SECOND WORLD CONGRESS OF CHEMICAL
 ENGINEERING, MONTREAL, CANADA, OCTOBER 1981.

094003 1981 ** MECHAID
 FLOBOIL

NEGREANU;M.J.
 "AN INVESTIGATION OF A ROTATIONAL BOILER"
 DISSERTATION, CARNEGIE-MELLON UNIVERSITY, 1978
 094004 1978 ** MECHAID
 FLOBCIL

NIEKAWA;J. MATSUMOTO;K. KOIZUMI;T.
 HASEGAWA;K. KANEKO;H. MIZOGUCHI;Y.
 "PERFORMANCE OF REVOLVING HEAT PIPES AND APPLICATION TO
 A ROTARY HEAT EXCHANGER"
 JOURNAL OF HEAT RECOVERY SYSTEMS, VOL.1, 1981, PP.331-338
 095018 1981 ** MECHAID
 CONDENSATION FLOBCIL

STEIFF;A. POGGEMANN;R. WEINSPACH;P.-M.
 "HEAT TRANSFER IN AGITATED VESSELS WITH MULTIPHASE SYSTEMS"
 CHEMIE-INGENIEUR-TECHNIK, VOL.52, NO.6, 1980, PP.492-503
 092047 1980 ** MECHAID
 1FCRCECONV FLOBOIL

MECHANICAL AIDS — CONDENSATION

- APPEL;D.W. HONG;S.H.
"OPTIMISING HEAT TRANSFER USING BARS IN DRYERS"
PAPER TECHNOLOGY AND INDUSTRY, AUGUST 1975, PP.1171-1176
145001 1975 ** COMPOUNDTECH
CONDENSATION ROUGHSURF MECHAID
- ASTAF'EV;V.E. EAKLSTON;A.M.
"CONDENSATION OF STEAM ON A HORIZONTAL ROTATING DISK"
THERMAL ENGINEERING, VOL. 17, NO.9, 1970, PP.82-85
095002 1970 ** MECHAID
CONDENSATION
- EIRT;D.C.P. BRUNT;J.J. SHELTON;J.T.
WATSON;R.G.H.
"METHODS OF IMPROVING HEAT TRANSFER FROM CONDENSING STEAM
AND THEIR APPLICATION TO CONDENSERS AND EVAPORATORS"
TRANSACTIONS OF THE INSTITUTION OF CHEMICAL ENGINEERS,
VOL.37, 1959, PP.269-296
095004 1959 ** MECHAID
TREATSURF CONDENSATION
- BROMLEY;L.A.
"PREDICTION OF HICKMAN CENTRIFUGAL CONDENSER-EVAPORATOR
CHARACTERISTICS"
INDUSTRIAL AND ENGINEERING CHEMISTRY, VOL.50, NO.2, 1958,
PP.233-236
095006 1958 IEC MECHAID
CONDENSATION
- BROMLEY;L.A. HUMPHREYS;R.F. MURRAY;W.
"CONDENSATION ON AND EVAPORATION FROM RADially GROOVED
ROTATING DISKS"
JOURNAL OF HEAT TRANSFER, VOL.88, 1966, PP.80-93
145002 1966 JHT COMPOUNDTECH
MECHAID ROUGHSURF CONDENSATION POOLBOIL
- CHANDRA;S. HOUGHTON;A.V. CASTONGUAY;T.T.
"THE CONDENSATION OF VAPOR ON A HORIZONTAL ROTATING SQUARE
TUBE"
PROCEEDINGS OF THE 1974 HEAT TRANSFER AND FLUID MECHANICS
INSTITUTE, STANFORD UNIVERSITY PRESS, STANFORD, 1974,
PP.21-37
095001 1974 HTFMI MECHAID
CONDENSATION
- CHANDRA;S. HOUGHTON, JR.;A.V. JAYATILLAKA;C.L.V.
TURNER;J.H. CASTONGUAY;T.T.
"ANALYTICAL PREDICTION OF CONDENSING FILM HEAT TRANSFER
COEFFICIENT FOR A HORIZONTAL ROTATING CYLINDER"
LETTERS IN HEAT AND MASS TRANSFER, VOL.3, 1976, PP.239-246.
095014 1976 ** MECHAID
CONDENSATION
- CHANDRAN;R. WATSON;F.A.
"CONDENSATION ON STATIC AND ROTATING PINNED TUBES"
TRANSACTIONS OF THE INSTITUTION OF CHEMICAL ENGINEERS,
VOL.54, 1976, PP.65-72
035069 1976 ** EXTENDED SURF
MECHAID CONDENSATION COMPOUNDTECH SURFTREAT
- CHARY;S.P. SARMA;P.K.
"CONDENSATION ON A ROTATING DISK WITH CONSTANT AXIAL
SUCTION"
JOURNAL OF HEAT TRANSFER, VOL.98, 1976, PP.682-684
095012 1976 JHT MECHAID
INJECTORSUCT CONDENSATION COMPOUNDTECH
- CLARK;R.L. BROMLEY;L.A.
"SALINE WATER CONVERSION BY MULTIPLE-EFFECT ROTATING
EVAPORATOR"
CHEMICAL ENGINEERING PROGRESS, VOL.57, NO.1, 1961, PP.64-70
095005 1961 CEP MECHAID
CONDENSATION
- DANIELS;T.C. WILLIAMS;R.J.
"THE EFFECT OF EXTERNAL BOUNDARY CONDITIONS ON CONDENSATION
HEAT TRANSFER IN ROTATING PIPES"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.22,
1979, PP.1237-1241
095017 1979 IJHMT MECHAID
CONDENSATION
- DESMOND;R.M. KARLEKAR;B.V.
"EXPERIMENTAL OBSERVATIONS OF THE CONDENSATION OF STEAM ON
A VIBRATING HORIZONTAL CONDENSING TUBE"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.80-HT-52,
1980.
095013 1980 ASME MECHAID
CONDENSATION
- HICKMAN;K.C.D.
"CENTRIFUGAL BOILER COMPRESSION STILL"
INDUSTRIAL AND ENGINEERING CHEMISTRY, VOL.49, NO.5, 1957,
PP.786-800
095007 1957 IEC MECHAID
CONDENSATION
- HOYLE;R. MATTHEWS;D.H.
"THE EFFECT OF THE DIAMETER SIZE AND SPEED OF ROTATION ON
THE HEAT TRANSFER FROM STEAM TO COOLED CYLINDERS"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.7,
1964, PP.1223-1234
095008 1964 IJHMT MECHAID
CONDENSATION
- LUSTENADER;E.L. RICHTER;R. NEUGEBAUER;F.J.
"THE USE OF THIN FILMS FOR INCREASING EVAPORATION AND
CONDENSATION RATES IN PROCESS EQUIPMENT"
JOURNAL OF HEAT TRANSFER, VOL.81, 1959, PP.297-307
093008 1959 JHT MECHAID
POOLBOIL CONDENSATION TREATSURF EXTENDED SURF
- MARTO;P.J. WAGENSEIL;L.L.
"AUGMENTING THE CONDENSER HEAT-TRANSFER PERFORMANCE OF
ROTATING HEAT PIPES"
AMERICAN INSTITUTE OF AERONAUTICS AND ASTRONAUTICS JOURNAL,
VOL.17, 1979, PP.647-652
095015 1979 AIAA MECHAID
CONDENSATION EXTENDED SURF
- MOCHIZUKI;S. SHIRATORI;T.
"CONDENSATION HEAT TRANSFER WITHIN A CIRCULAR TUBE UNDER
CENTRIFUGAL ACCELERATION FIELD"
JOURNAL OF HEAT TRANSFER, VOL.102, 1980, PP.158-162.
095011 1980 JHT MECHAID
CONDENSATION
- NANDAPURKAR;S.S. BEATTY JR.;K.O.
"CONDENSATION ON A HORIZONTAL ROTATING DISK"
CHEMICAL ENGINEERING PROGRESS SYMPOSIUM SERIES, VOL.56,
NO.30, 1960, PP.129-137
095003 1960 CEPSS MECHAID
CONDENSATION
- NICOL;A.A. GACESA;M.
"CONDENSATION OF STEAM ON A ROTATING VERTICAL CYLINDER"
JOURNAL OF HEAT TRANSFER, VOL.97, 1970, PP.144-152
095010 1970 JHT MECHAID
CONDENSATION
- NIEKAWA;J. MATSUMOTO;K. KOIZUMI;T.
HASEGAWA;K. KANEKO;H. MIZOGUCHI;Y.
"PERFORMANCE OF REVOLVING HEAT PIPES AND APPLICATION TO
A ROTARY HEAT EXCHANGER"
JOURNAL OF HEAT RECOVERY SYSTEMS, VOL.1, 1981, PP.331-338
095016 1981 ** MECHAID
CONDENSATION FLOBOIL
- SINGER;R.M. PRECKSHOT;G.W.
"THE CONDENSATION OF VAPOR ON A HORIZONTAL ROTATING
CYLINDER"
PROCEEDINGS OF THE 1963 HEAT TRANSFER AND FLUID MECHANICS
INSTITUTE, STANFORD UNIVERSITY PRESS, 1963, PP.205-221
095009 1963 HTFMI MECHAID
CONDENSATION
- WANG;C.S. GREIF;R.
"THE EFFECT OF IMPINGEMENT ON HEAT TRANSFER IN ROTATING
CONDENSATION"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.24,
1981, PP.1097-1103
095016 1981 IJHMT MECHAID
CONDENSATION

WEILER;D.K. CZIKK;A.M. PAUL;R.S.
"CONDENSATION IN SMOOTH AND POROUS COATED TUBES UNDER MULTI-
G ACCELERATIONS"
CHEMICAL ENGINEERING PROGRESS SYMPOSIUM SERIES, VOL.62,

NO.64, 1966, PP.143-149
015013 1965
CONDENSATION MECHALD

AICHE

TREATSURF

MECHANICAL AIDS — MASS TRANSFER

- ALIMOV;R.Z. KASPIN;Y.L.
"HEAT AND MASS TRANSFER IN SINGLE- AND TWO-PHASE FLOWS IN A ROTATING TUBE"
HEAT TRANSFER - SOVIET RESEARCH, VOL.6, NO.6, 1976, PP.65-69
092020 1976 HTSR MECHAID
1FORCECONV POOLBOIL MASSTRAN
- BARABASH;V.M. BRAGINSKI;L.N.
"EVALUATION OF RATES OF HEAT AND MASS TRANSFER IN ARTIFICIALLY AGITATED FLOWS"
JOURNAL OF ENGINEERING PHYSICS, VOL.40, 1981, PP.9-12
092048 1981 JEP MECHAID
1FORCECONV MASSTRAN
- EENNETT;J.A.R. LEWIS;J.B.
"DISSOLUTION RATES OF SOLIDS IN MERCURY AND AQUEOUS LIQUIDS: THE DEVELOPMENT OF A NEW TYPE OF ROTATING DISSOLUTION CELL"
AMERICAN INSTITUTE OF CHEMICAL ENGINEERS JOURNAL, VOL.4, 1958, PP.418-422
096006 1958 MECHAID MASSTRAN
- CGRNET;I. GREIF;R. TENG;J.T.
ROEHLER;F.
"MASS TRANSFER TO ROTATING RODS AND PLATES"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.23, 1980, PP.805-811
096011 1980 IJHMT MECHAID
MASSTRAN
- EISENBERG;M. TOBIAS;C.W. WILKIE;C.R.
"MASS TRANSFER AT ROTATING CYLINDERS"
CHEMICAL ENGINEERING PROGRESS SYMPOSIUM SERIES, VOL.51, NO. 16, 1955, PP.1-16
096006 1955 CEPSS MECHAID
MASSTRAN
- GRUZINTSEV;G.I. KORNIENKO;T.S. KISHINEVSKI;M.K.
"MASS TRANSFER FROM A ROTATING CYLINDER TO A TURBULENT STREAM OF LIQUID"
THEORETICAL FOUNDATIONS OF CHEMICAL ENGINEERING, VOL.4, 1977, PP.776-782.
096003 1970 ** MECHAID
MASSTRAN
- HESS;D.
"TROCKNUNG PULVERFOERMIGER BIS FEINKOERNIGER PRODUKTE IN DRALLROHR-TROCKNER"
DIE CHEMISCHE PRODUKTION, APRIL 1979, PP.24,26 AND 27.
096009 1979 ** MECHAID
MASSTRAN
- KAPPESSAR;R.R.
"A STUDY OF HEAT AND MASS TRANSPORT FROM A ROTATING CYLINDER D.ENG. THESIS IN MECHANICAL ENGINEERING, UNIVERSITY OF CALIFORNIA, BERKELEY, 1970
096004 1970 ** MECHAID
MASSTRAN 1NATCONV
- KOSTANYAN;A.E.
"SOME PRINCIPLES IN SCALING INTENSIFIED COLUMN EXTRACTORS"
THEORETICAL FOUNDATIONS IN CHEMICAL ENGINEERING, VOL.14, 1980, PP.224-229
- C96013 1980 ** MECHAID
MASSTRAN
- KOVATS;F. VARGHA;Z.
"HEAT AND MASS TRANSFER IN SPIRAL VIBRATORY DRYERS"
PROCEEDINGS OF THE CONFERENCE ON SOME ASPECTS OF PHYSICAL CHEMISTRY, BUDAPEST, HUNGARY, 1966, PP.201-208
092006 1966 ** MECHAID
1FORCECONV MASSTRAN
- KOVATS;F. VARGA;Z.
"ARANLASI JELENSEGEK VIBRALT HALMAZBAN"
MAGYAR KEMIKUSOV, LAPJA, HUNGARY, 1967, PP.456-460
096002 1967 ** MECHAID
MASSTRAN
- KOYAMA;H. OHSAWA;S. NAKAYAMA;A.
"MASS TRANSFER FROM A ROTATING INCLINED PLATE"
JOURNAL OF HEAT TRANSFER, VOL.103, PP.204-211
096012 1961 JHT MECHAID
MASSTRAN
- LAW, JR.;C.G. PIERINI;P. NEWMAN;J.
"MASS TRANSFER TO ROTATING DISKS AND ROTATING RINGS IN LAMINAR, TRANSITION AND FULLY-DEVELOPED TURBULENT FLOW"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL. 24, 1981, PP. 909-918.
126009 1981 IJHMT MECHAID
MASSTRAN
- SHERWOOD;T.K. PIGFORD;R.L. WILKIE;C.R.
"MASS TRANSFER"
MC GRAW HILL BOOK COMPANY, NEW YORK, 1975, PP.236-245
000057 1975 ** LITSURVEY
MASSTRAN SURFACEVIB MECHAID DISPENHDEVICE
- SHERWOOD;T.K. RYAN;J.M.
"MASS TRANSFER TO A TURBULENT FLUID WITH AND WITHOUT CHEMICAL REACTION"
CHEMICAL ENGINEERING SCIENCE, VOL.11, 1959, PP.81-91
096007 1959 CES MECHAID
MASSTRAN
- STEINER;L. HARTLAND;S.
"AGITATED LIQUID/LIQUID EXTRACTION"
CHEMICAL ENGINEERING PROGRESS, DECEMBER 1980, PP. 60-62.
096010 1980 CEP MECHAID
MASSTRAN
- STEVENSON;D.A. WULT;J.
"THE SOLUTION RATE OF COPPER, NICKEL, AND THEIR ALLOYS IN LEAD"
TRANSACTIONS OF THE METALLURGICAL SOCIETY OF AIME, VOL. 221, 1961, PP. 279-285
096005 1961 MECHAID MASSTRAN
- TANAKA;H. TAGO;O.
"MASS TRANSFER FROM A ROTATING SPHERE IN AIR STREAM"
CHEMICAL ENGINEERING, JAPAN, VOL.37, NO.2, 1973, PP.151-157
096001 1973 ** MECHAID
MASSTRAN

SURFACE VIBRATIONS — NATURAL CONVECTION

- ANTONINI;G. BRUNIER;E. GUIFFANT;G.
"HEAT TRANSFER ENHANCEMENT IN OSCILLATORY CAVITY FLOW"
INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER,
VOL.10, 1983, PP.13-23
101049 1983 ** SURFVIB
1NATCONV
- ANTONISHIN;N.V. NIKITIN;V.S. MARTYNOV;O.G.
PUCHKOV;G.F.
"HEAT AND MASS TRANSFER IN A VIBRO-ROTATIONAL BED"
ABSTRACT FROM THE FIFTH ALL-UNION HEAT AND MASS TRANSFER
CONFERENCE, MINSK, USSR, 1976, P.126
141001 1976 ** COMPOUNDTech
1NATCONV MECHAID SURFVIB
- EABINTSEVA;B.L. LOSIK;V.I.
"CALCULATION OF CONVECTIVE HEAT TRANSFER IN EQUIPMENT WITH
VIBRATORY AGITATION"
JOURNAL OF APPLIED CHEMISTRY OF THE USSR, VOL.53, 1980,
PP.1826-1829
101047 1980 ** SURFVIB
1NATCONV
- EERGLES;A.E.
"THE INFLUENCE OF HEATED-SURFACE VIBRATION ON POOL BOILING"
JOURNAL OF HEAT TRANSFER, VOL.91, 1969, PP.152-154
103006 1969 JHT SURFVIB
POOLBOIL 1NATCONV
- BLANKENSHIP;V.D. CLARK;J.A.
"LAMINAR FREE CONVECTION FROM A VERTICAL INFINITE PLATE
SUBJECT TO TRANSVERSE OSCILLATION"
JOURNAL OF APPLIED MECHANICS, VOL.31, 1964, PP.363-389
101019 1964 ** SURFVIB
1NATCONV
- BLANKENSHIP;V.D. CLARK;J.A.
"EFFECTS OF OSCILLATIONS ON FREE CONVECTION FROM A VERTICAL
FINITE PLATE"
JOURNAL OF HEAT TRANSFER, VOL.86, 1964, PP.149-158
101020 1964 JHT SURFVIB
1NATCONV
- BLANKENSHIP;V.D. CLARK;J.A.
"EXPERIMENTAL EFFECTS OF TRANSVERSE OSCILLATIONS ON FREE
CONVECTION OF A VERTICAL, FINITE PLATE"
JOURNAL OF HEAT TRANSFER, VOL.86, 1964, PP.159-165.
101024 1964 JHT SURFVIB
1NATCONV
- CARLEY;C.T. BELL;C.J. FORBES;R.E.
SMITH;G.V.
"VIBRATION EFFECTS ON CONVECTIVE HEAT TRANSFER IN A CRYOGEN-
FILLED ENCLOSURE"
ADVANCES IN CRYOGENIC ENGINEERING, VOL.16, PLENUM PRESS,
NEW YORK, 1970, PP.494-501
101032 1970 ** SURFVIB
FLUIDVIB 1NATCONV
- CARR;W.W. BLACK;W.Z.
"INTERFEROMETRIC MEASUREMENT OF INSTANTANEOUS LOCAL HEAT
TRANSFER FROM A HORIZONTALLY VIBRATING ISOTHERMAL CYLINDER"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.17,
1974, PP.633-642
101041 1974 IJHMT SURFVIB
1NATCONV
- CHAMBERLIN;G.E.
"HEAT TRANSFER BY FREE CONVECTION FROM A LONGITUDINALLY
OSCILLATING CYLINDER IN AIR"
M.S. THESIS IN MECHANICAL ENGINEERING, UNITED STATES AIR
FORCE INSTITUTE OF TECHNOLOGY, 1957
101006 1957 ** SURFVIB
1NATCONV
- DAVIDSON;B.J.
"HEAT TRANSFER FROM A VIBRATING CIRCULAR CYLINDER"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.16,
1973, PP.1703-1726
101036 1973 IJHMT SURFVIB
1NATCONV
- DAWOOD;A.S. MANOCHA;B.L. ALI;S.M.J.
"THE EFFECT OF VERTICAL VIBRATIONS ON NATURAL CONVECTION
HEAT TRANSFER FROM A HORIZONTAL CYLINDER"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL. 24,
1981, PP. 491-496.
101008 1981 IJHMT SURFVIB
1NATCONV
- DEAVER;F.K. PENNEY;W.R. JEFFERSON;T.B.
"HEAT TRANSFER FROM AN OSCILLATING HORIZONTAL WIRE TO WATER"
JOURNAL OF HEAT TRANSFER, VOL.64, 1962, PP.251-256
101016 1962 JHT SURFVIB
1NATCONV
- DYOS;G.T. LAWTON;J.
"THE EFFECTS OF VIBRATION AND PULSATION ON METAL REMOVAL BY
A PLASMA TORCH"
JOURNAL OF HEAT TRANSFER, VOL.95, 1973, PP.240-245
101037 1973 JHT SURFVIB
1NATCONV
- EISELE;D.F.
"THE EFFECTS OF VIBRATIONS ON THE HEAT TRANSFER RATE FROM
CYLINDERS IN FREE CONVECTION"
M.S. THESIS IN MECHANICAL ENGINEERING, UNITED STATES AIR
FORCE INSTITUTE OF TECHNOLOGY, 1960
101012 1960 ** SURFVIB
1NATCONV
- ESHGHY;S. ARPACI;V.S. CLARK;J.A.
"THE EFFECT OF LONGITUDINAL OSCILLATIONS ON FORCED CONVEC-
TION FROM VERTICAL SURFACES"
JOURNAL OF APPLIED MECHANICS, VOL.87, 1965, PP.183-191
101026 1965 ** SURFVIB
1NATCONV
- FAND;R.M. PEEBLES;E.M.
"A COMPARISON OF THE INFLUENCE OF MECHANICAL AND ACOUSTICAL
VIBRATIONS ON FREE CONVECTION FROM A HORIZONTAL CYLINDER"
JOURNAL OF HEAT TRANSFER, VOL.84, 1962, PP.268-270
101042 1962 JHT SURFVIB
1NATCONV
- FAND;R.M. KAYE;J.
"THE INFLUENCE OF VERTICAL VIBRATIONS ON HEAT TRANSFER BY
FREE CONVECTION FROM A HORIZONTAL CYLINDER"
INTERNATIONAL DEVELOPMENTS IN HEAT TRANSFER, AMERICAN
SOCIETY OF MECHANICAL ENGINEERS, NEW YORK, 1961, PP.490-498
101011 1961 IJHMT SURFVIB
1NATCONV
- FAND;R.M. PEEBLES;E.M.
"A COMPARISON OF THE INFLUENCE OF MECHANICAL AND ACOUSTICAL
VIBRATIONS ON FREE CONVECTION FROM A HORIZONTAL CYLINDER"
AEROSPACE RESEARCH LABORATORY REPORT TR 148, PT. 11, 1961.
101015 1961 ** SURFVIB
1NATCONV
- FORBES;R.E. CARLEY;C.T. BELL;C.J.
"VIBRATION EFFECTS ON CONVECTIVE HEAT TRANSFER IN
ENCLOSURES"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.
69-WA/HT-13, 1969
101030 1969 ASME SURFVIB
1NATCONV
- FREEDMAN;S.I.
"THE EFFECT OF SMALL VIBRATIONS ON FREE CONVECTION HEAT
TRANSFER FROM A VERTICAL CYLINDER"
S.M. THESIS IN MECHANICAL ENGINEERING, MASSACHUSETTS
INSTITUTE OF TECHNOLOGY, 1957
101007 1957 MIT SURFVIB
1NATCONV
NHC
- HUTTON JR.;J.E.
"THE EFFECT OF TRANSVERSE VIBRATIONS ON THE HEAT TRANSFER
RATE FROM A HEATED HORIZONTAL CYLINDER IN FREE CONVECTION"
M.S. THESIS IN MECHANICAL ENGINEERING, UNITED STATES AIR
FORCE INSTITUTE OF TECHNOLOGY, 1958
101010 1958 ** SURFVIB
1NATCONV

JAMES;E.C.

"THE EFFECT OF VIBRATION ON THE HEAT TRANSFER RATE FROM CYLINDERS IN FREE CONVECTION"

M.S. THESIS IN MECHANICAL ENGINEERING, UNITED STATES AIR FORCE INSTITUTE OF TECHNOLOGY, 1961

101013 1961 ** SURFVIB
1NATCONV

JAMESON;G.J.

"MASS (OR HEAT) TRANSFER FROM AN OSCILLATING CYLINDER"

CHEMICAL ENGINEERING SCIENCE, VOL.19, 1964, PP.793-800

101023 1964 CES SURFVIB
1NATCONV MASSTRAN

KALASHNIKOV;N.V. CHERNIKEN;V.I.

"INVESTIGATION OF HEAT EXCHANGE BETWEEN VIBRATING HEATERS AND VISCOUS LIQUIDS"

DOKLADY AKADEMII NAUK SSSR., VOL.119, 1958, PP.735-736

101009 1958 ** SURFVIB
1NATCONV

KRISHNA PRASAD;K. RAMANATHAN;V.

"HEAT TRANSFER BY FREE CONVECTION FROM A LONGITUDINALLY VIBRATING VERTICAL PLATE"

INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.15, 1972, PP.1213-1224

101039 1972 IJHMT SURFVIB
1NATCONV

LEMLICH;R. RAO;M.A.

"THE EFFECT OF TRANSVERSE VIBRATION ON FREE CONVECTION FROM A HORIZONTAL CYLINDER"

INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.6, 1965, PP.27-33

101025 1965 IJHMT SURFVIB
1NATCONV

LEMLICH;R.

"EFFECT OF VIBRATION ON NATURAL CONVECTIVE HEAT TRANSFER"

INDUSTRIAL AND ENGINEERING CHEMISTRY, VOL.47, 1955, PP.1173-1180. ERRATA, VOL.53, 1961, P.314

101014 1955 1961 IEC
SURFVIB 1NATCONV

LETIN;J.R.

"NATURAL CONVECTION HEAT TRANSFER FROM AN OSCILLATING HORIZONTAL CYLINDER TO AMBIENT AIR"

M.S. THESIS IN MECHANICAL ENGINEERING, UNIVERSITY OF TEXAS, ARLINGTON, DECEMBER 1972

101038 1972 ** SURFVIB
1NATCONV

NHC

MARTINELLI;R.C. BOELTER;L.M.K.

"THE EFFECT OF VIBRATION ON HEAT TRANSFER BY FREE CONVECTION FROM A HORIZONTAL CYLINDER"

PROCEEDINGS OF FIFTH INTERNATIONAL CONGRESS ON APPLIED MECHANICS, 1936, PP.578-584. AMERICAN SOCIETY OF HEATING AND VENTILATING ENGINEERS, VOL.11, 1939, PP.525-527

101002 1938 1939 **
SURFVIB 1NATCONV

MASON;W.E. BOELTER;L.M.K.

"VIBRATION - ITS EFFECT ON HEAT TRANSFER"

POWER PLANT ENGINEERING, VOL.44, 1940, PP.43-46

101003 1940 ** SURFVIB
1NATCONV

MAXWELL;R.S.

"THE ESCAPE OF HEAT FROM A HARMONICALLY OSCILLATING HOT WIRE"

PHILOSOPHICAL MAGAZINE, VOL.6, 1928, PP.945-965

101001 1928 ** SURFVIB
1NATCONV

NAG;P.K. BHATTACHARYA;A.

"EFFECT OF VIBRATION ON NATURAL CONVECTION HEAT TRANSFER FROM VERTICAL FIN ARRAYS"

LETTERS IN HEAT AND MASS TRANSFER, VOL.9, NO.6, 1962, PP.487-496

101048 1962 LHMT SURFVIB

1NATCONV EXTENDED SURF

NANGIA;K.K.

CHON;W.Y.

"CONVECTIVE HEAT TRANSFER FROM OSCILLATING WIRES TO WATER AND METHANOL"

AMERICAN INSTITUTE OF CHEMICAL ENGINEERS PREPRINT 35 FOR 61ST NATIONAL MEETING, HOUSTON, 1967

101029 1967 AICHE SURFVIB
1NATCONV

NEELY;D.F.

"EFFECT OF VIBRATION ON HEAT TRANSFER FROM CYLINDERS IN FREE CONVECTION"

M.S. THESIS IN MECHANICAL ENGINEERING, UNITED STATES AIR FORCE INSTITUTE OF TECHNOLOGY, 1964

101021 1964 ** SURFVIB
1NATCONV

NESIS;E.I.

KUL'GINA;L.M.

"RESONANCE DEPENDENCE OF THE HEAT TRANSFER COEFFICIENT ON THE FREQUENCY OF FORCED OSCILLATIONS OF A FILAMENT HEATER" HIGH TEMPERATURE, VOL.17, 1979, PP.1112-1114

101046 1979 ** SURFVIB
1NATCONV

NICKERSON;R.J.

"THE EFFECT OF FREE-STREAM OSCILLATIONS ON THE LAMINAR BOUNDARY OF A FLAT PLATE"

SC.D. THESIS IN MECHANICAL ENGINEERING, MASSACHUSETTS INSTITUTE OF TECHNOLOGY, 1957. WRIGHT AIR DEVELOPMENT CENTER REPORT WADC TN 57-481, 1958

101005 1957 1958 MIT
SURFVIB 1NATCONV
NHC

PAK;H.Y.

WINTER;E.R.F.

SCHOENHALS;R.J.

"CONVECTION HEAT TRANSFER IN A CONTAINED FLUID SUBJECTED TO VIBRATION"

AUGMENTATION OF CONVECTIVE HEAT AND MASS TRANSFER, AMERICAN SOCIETY OF MECHANICAL ENGINEERS, NEW YORK, 1970, PP.146-157

101043 1970 ACHMT SURFVIB
1NATCONV

PALYEYFV;I.I.

KACHNELSON;D.D.

TARAKANOVSKI;A.A.

"STUDY OF PROCESS OF HEAT AND MASS EXCHANGE IN A PULSATING STREAM"

TEPLENERGETIKA, VOL.10, NO.4, 1963, PP.71-74

101045 1963 ** SURFVIB
1NATCONV

PENNEY;W.R.

JEFFERSON;T.B.

"HEAT TRANSFER FROM AN OSCILLATING HORIZONTAL WIRE TO WATER AND ETHYLENE GLYCOL"

JOURNAL OF HEAT TRANSFER, VOL.88, 1966, PP.359-366

101028 1966 JHT SURFVIB
1NATCONV

RICHARDS;R.C.

"THE RESISTANCE OF A HOT WIRE IN AN ALTERNATING AIR CURRENT" PHILOSOPHICAL MAGAZINE AND JOURNAL OF SCIENCE, VOL.45, 1923, PP.926-934

101040 1923 ** SURFVIB
1NATCONV

RICHARDSON;P.D.

"EFFECTS OF SOUND AND VIBRATIONS ON HEAT TRANSFER"

APPLIED MECHANICS REVIEWS, VOL.20, 1967, PP.201-217

000017 1967 AMR LITSURVEY
SURFVIB FLUIDVIB 1NATCONV 1FORCECONV

RICHARDSON;P.D.

"THE EFFECT OF VIBRATION AND OSCILLATIONS ON HEAT TRANSFER FROM A CIRCULAR CYLINDER"

AEROSPACE RESEARCH LABORATORY REPORT ARL 66-0235, FEBRUARY 1966

101027 1966 ** SURFVIB
1NATCONV

RUSS;R.M.

"EFFECT OF VIBRATION ON HEAT TRANSFER FROM CYLINDERS IN FREE CONVECTION"

M.S. THESIS IN MECHANICAL ENGINEERING, UNITED STATES AIR
FORCE INSTITUTE OF TECHNOLOGY, 1964.
101022 1964 ** SURFVIB
1NATCONV

SCHOENHALS;R.J. CLARK;J.A.
"LAMINAR FREE CONVECTION BOUNDARY-LAYER PERTURBATIONS DUE
TO TRANSVERSE WALL VIBRATION"
JOURNAL OF HEAT TRANSFER, VOL.84, 1962, PP.225-234
101018 1962 JHT SURFVIB
1NATCONV

SHINE;A.J.
"COMMENTS ON PAPER BY DEEVER ET AL."
JOURNAL OF HEAT TRANSFER, VOL.84, 1962, P.225.
101017 1962 JHT SURFVIB
1NATCONV

SHINE;A.J.
"THE EFFECT OF TRANSVERSE VIBRATIONS ON THE HEAT TRANSFER
RATE FROM A HEATED VERTICAL PLATE IN FREE CONVECTION"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.59-HT-27,
1959.
101044 1957 ASME SURFVIB
1NATCONV

SMITH;G.V. FORBES;R.E.
"THE EFFECT OF RANDOM VIBRATION ON NATURAL CONVECTIVE HEAT
TRANSFER IN RECTANGULAR ENCLOSURES"
AUGMENTATION OF CONVECTIVE HEAT AND MASS TRANSFER,
AMERICAN SOCIETY OF MECHANICAL ENGINEERS, NEW YORK, 1970,
PP.158-162

101033 1970 ACHMT SURFVIB
FLUIDVIB 1NATCONV

TELEKI;C. FAND;R.M. KAYE;J.
"THE INFLUENCE OF VERTICAL VIBRATION ON THE RATE OF HEAT
TRANSFER FROM A HORIZONTAL CYLINDER IN AIR"
WRIGHT AIR DEVELOPMENT CENTER REPORT WADC TN 59-357, OCTOBER
1960

101035 1960 ** SURFVIB
1NATCONV

THRASHER;B.H. SCHAEZLE;W.J.
"INSTANTANEOUS MEASUREMENT OF HEAT TRANSFER FROM AN OSCIL-
LATING WIRE IN FREE CONVECTION"
JOURNAL OF HEAT TRANSFER, VOL.92, 1970, PP.439-446
101031 1970 JHT SURFVIB
1NATCONV

TSUI;Y.T.
"THE EFFECT OF VIBRATION ON HEAT TRANSFER COEFFICIENTS"
PH.D. THESIS, THE OHIO STATE UNIVERSITY, 1953
101004 1953 ** SURFVIB
1NATCONV

VERITY;R.L. SMITH;S.B. MC ELIGOT;D.M.
"HEAT TRANSFER FROM CYLINDERS VIBRATING AT LARGE AMPLITUDE
IN SUB-ATMOSPHERIC AIR"
ENGINEERING EXPERIMENT STATION SERIES REPORT 32, UNIVERSITY
OF ARIZONA, JULY 1971
101034 1971 ** SURFVIB
1NATCONV

SURFACE VIBRATIONS — FORCED CONVECTION

- AHAMED;J.H.S.
"THE EFFECT OF SURFACE VIBRATION ON FORCED CONVECTION HEAT TRANSFER"
PH.D. THESIS, DURHAM UNIVERSITY, ENGLAND, 1953
102003 1953 ** SURFVIB
1FORCECONV
- ANANTANARAYANAN;R. RAMACHANDRAN;A.
"EFFECT OF VIBRATION ON HEAT TRANSFER FROM A WIRE TO AIR IN PARALLEL FLOW"
TRANSACTIONS OF THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS VOL.80, 1958, PP.1426-1432
102006 1958 ASME SURFVIB
1FORCECONV
- EAXI;C.B. RAMACHANDRAN;A.
"EFFECT OF VIBRATION ON HEAT TRANSFER FROM SPHERES"
JOURNAL OF HEAT TRANSFER, VOL.91, 1969, PP.337-344
102016 1969 JHT SURFVIB
1FORCECONV
- EEDNORZ;E.L.
"STUDY OF HEAT TRANSFER FROM A TRANSVERSELY VIBRATING CYLINDER IN FORCED CONVECTION"
M.S. THESIS IN MECHANICAL ENGINEERING, UNITED STATES AIR FORCE INSTITUTE OF TECHNOLOGY, 1960
102008 1960 ** SURFVIB
1FORCECONV
- FAIRCLOTH JR.;J.M. SCHAEZTLE;W.J.
"EFFECT OF VIBRATION ON HEAT TRANSFER FOR FLOW NORMAL TO A CYLINDER"
JOURNAL OF HEAT TRANSFER, VOL.91, 1969, PP.140-144
102015 1969 JHT SURFVIB
1FORCECONV
- GIBERT;H. ANGELINO;H.
"TRANSFERTS DE MATIERE ENTRE UNE SPHERE SOUMISE A DES VIBRATIONS ET UN LIQUIDE EN MOUVEMENT"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.17, 1974, PP.625-632
102020 1974 IJHMT SURFVIB
1FORCECONV
- HADDON;E.W. RILEY;N.
"THE HEAT TRANSFER BETWEEN CONCENTRIC VIBRATING CIRCULAR CYLINDERS"
QUARTERLY JOURNAL OF MECHANICS AND APPLIED MATHEMATICS, VOL.34, 1981, PP.345-359
102027 1981 ** SURFVIB
1FORCECONV
- IGICII;R. MARSTERS;G.F.
"HEAT TRANSFER FROM A VIBRATING VERTICAL ARRAY OF HORIZONTAL CYLINDERS"
CANADIAN JOURNAL OF CHEMICAL ENGINEERING, VOL.51, 1973, PP.302-306
102022 1973 ** SURFVIB
1FORCECONV
- JORDAN;E.D. STEFFANS;J.
"AN INVESTIGATION OF THE EFFECT OF MECHANICALLY INDUCED VIBRATIONS ON HEAT TRANSFER RATES IN A PRESSURIZED WATER SYSTEM"
ATOMIC ENERGY COMMISSION REPORT NYO-2655-1, JULY 1965
102012 1965 AEC SURFVIB
1FORCECONV
- KEZIOS;S.P. PRASANNA;K.V.
"EFFECTS OF VIBRATION ON HEAT TRANSFER FROM A CYLINDER IN NORMAL FLOW"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO. 66-WA/HT-43, 1966
102014 1966 ASME SURFVIB
1FORCECONV
- KOERKENMEIR;J.L.
"EFFECT OF VIBRATION ON HEAT TRANSFER RATE FROM WIRES AND CYLINDERS IN PARALLEL FLOW"
M.S. THESIS IN MECHANICAL ENGINEERING, UNITED STATES AIR FORCE INSTITUTE OF TECHNOLOGY, 1961
102010 1961 ** SURFVIB
- 1FORCECONV
- MC ELIGOT;D.M. SMITH;S.E. VERITY;R.L.
"WAKE INTERFERENCE FOR A HEATED OSCILLATING CYLINDER"
HEAT TRANSFER 1962, VOL.3, HEMISPHERE PUBLISHING COMPANY, WASHINGTON, D.C., 1982, PP.459-464
102024 1982 VIIHTC SURFVIB
1FORCECONV
- MORI;Y. TOKUDA;S.
"THE EFFECT OF OSCILLATION ON INSTANTANEOUS LOCAL HEAT TRANSFER IN FORCED CONVECTION FROM A CYLINDER"
PROCEEDINGS OF THE THIRD INTERNATIONAL HEAT TRANSFER CONFERENCE, AMERICAN INSTITUTE OF CHEMICAL ENGINEERS, NEW YORK, VOL.111, 1966, PP.49-56
102019 1966 IIIHTC SURFVIB
1FORCECONV
- MUJUMDAR;A.S. PAKOWSKI;Z.
"EFFECT OF VIBRATION ON IMMERSED SURFACE HEAT TRANSFER IN A FLUIDIZED BED"
ASME-JSME THERMAL ENGINEERING JOINT CONFERENCE PROCEEDINGS, HONOLULU, HAWAII, MARCH 1983, VOL.1, PP.379-385
102025 1983 ** SURFVIB
1FORCECONV ADDFORGASES
- NESIS;Y.I. KOMAROV;V.I. KUL'GINA;L.M.
KUL'GIN;A.A. SOLGUB;I.S. NESIS;S.Y.
"BOILING AND CONVECTIVE HEAT TRANSFER FROM VIBRATING HOT WIRES"
HEAT TRANSFER-SOVIET RESEARCH, VOL. 12, NO. 2, 1980, PP. 85-90.
102001 1980 HTSR SURFVIB
1FORCECONV POOLBCIL
- NEVILLE;G.E. COMMERFORD;G.E. RABEN;I.A.
"REDUCTION IN CONVECTIVE HEAT TRANSFER DUE TO VIBRATION"
JOURNAL OF THE ACOUSTICAL SOCIETY OF AMERICA, VOL.35, 1963, PP.928-929
102018 1963 ** SURFVIB
1FORCECONV
- OGLE;J.W. ENGEL;A.J.
"THE EFFECT OF VIBRATION ON A DOUBLE-PIPE HEAT EXCHANGER"
AMERICAN INSTITUTE OF CHEMICAL ENGINEERS PREPRINT 59 FOR 6TH NATIONAL HEAT TRANSFER CONFERENCE, 1963
102011 1963 AIChE SURFVIB
1FORCECONV
- PHAN-THIEN;N.
"THE INFLUENCE OF RANDOM LONGITUDINAL VIBRATION ON CHANNEL AND PIPE FLOWS OF A SLIGHTLY NON-NEWTONIAN LIQUID"
JOURNAL OF APPLIED MECHANICS, VOL.48, 1981, PP.661-664
102029 1981 ** SURFVIB
1FORCECONV
- RABEN;I.A.
"THE USE OF ACOUSTIC VIBRATIONS TO IMPROVE HEAT TRANSFER"
PROCEEDINGS OF THE 1961 HEAT TRANSFER AND FLUID MECHANICS INSTITUTE, STANFORD UNIVERSITY PRESS, STANFORD, 1961, PP. 90-97
102013 1961 ** SURFVIB
1FORCECONV
- RABEN;I.A. COMMERFORD;G.E. NEVILLE;G.E.
"AN INVESTIGATION OF THE USE OF ACOUSTIC VIBRATIONS TO IMPROVE HEAT TRANSFER RATES AND REDUCE SCALING IN DISTILLATION UNITS USED FOR SALINE WATER CONVERSION"
FINAL REPORT, CONTRACT NO.14-01-188 PROJECT 2-919-1, SOUTH-WEST RESEARCH INSTITUTE, 1962
102017 1962 ** SURFVIB
1FORCECONV FLOBCIL CONDENSATION MASSTRAN
- REPIN;V.B.
"HEAT TRANSFER FROM A CYLINDER WITH LOW-FREQUENCY VIBRATIONS"
JOURNAL OF APPLIED MECHANICS AND TECHNICAL PHYSICS, VOL.22, 1981, PP.651-655
102026 1981 ** SURFVIB
1FORCECONV

- RICHARDSON;P.D.
 "EFFECTS OF SOUND AND VIBRATIONS ON HEAT TRANSFER"
 APPLIED MECHANICS REVIEWS, VOL.20, 1967, PP.201-217
 000017 1967 AMR LITSURVEY
 SURFVIB FLUIDVIB 1NATCONV 1FORCECONV
- SAXENA;U.C. LAIRD;A.D.K.
 "HEAT TRANSFER FROM A CYLINDER OSCILLATING IN A
 CROSS-FLOW"
 JOURNAL OF HEAT TRANSFER, VOL.100, 1978, PP.684-689
 102026 1978 JHT SURFVIB
 1FORCECONV
- SCANLAN;J.A.
 "EFFECTS OF NORMAL SURFACE VIBRATION ON LAMINAR FORCED
 CONVECTION HEAT TRANSFER"
 INDUSTRIAL AND ENGINEERING CHEMISTRY, VOL.50, 1958, PP.1565-
 1568
 102007 1958 ICC 3URFVIB
 1FORCECONV
- SOUNDALGEKAR;V.M. PATIL;M.R.
 "ON FLOW PAST A VERTICAL OSCILLATING PLATE WITH CONSTANT
 HEAT FLUX"
 LATIN AMERICAN JOURNAL OF HEAT AND MASS TRANSFER, VOL.4,
 1980, PP.143-148
 102002 1980 ** SURFVIB
 1FORCECONV
 NHC
- SREENIVASAN;K. RAMACHANDRAN;A.
 "EFFECT OF VIBRATION ON HEAT TRANSFER FROM A HORIZONTAL
 CYLINDER TO A NORMAL AIR STREAM"
 INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.3,
 1961, PP.60-67
 102009 1961 IJHMT SURFVIB
 1FORCECONV
- VAN DER HEGGE ZIJNEN;B.G.
 "HEAT TRANSFER FROM HORIZONTAL CYLINDERS TO TURBULENT AIR
 FLOW"
 APPLIED SCIENTIFIC RESEARCH A, VOL.7, 1958, PP.205-223
 102005 1958 ** SURFVIB
 1FORCECONV
- WITTRY;J.P.
 "HEAT TRANSFER BY FORCED CONVECTION FROM LONGITUDINALLY
 OSCILLATING CYLINDER IN AIR"
 M.S. THESIS IN MECHANICAL ENGINEERING, UNITED STATES AIR
 FORCE INSTITUTE OF TECHNOLOGY, 1956
 102004 1954 ** SURFVIB
 1FORCECONV
- ZOZULYA;N.V. KHORUNZHII;Y.
 "HEAT TRANSFER FROM FINNED TUBES MOVING BACK AND FORTH IN
 LIQUID"
 CHEMICAL AND PETROLEUM ENGINEERING, NO.9-10, 1968,
 PP.630-832
 102021 1968 CPE SURFVIB
 1FORCECONV EXTENDED SURF COMPOUNDTECH
- ZUKAUSKAS;A. KATINAS;V. ZIUGZDA;J.
 "HEAT TRANSFER FROM VIBRATING TUBES IN TURBULENT FLOW"
 HEAT TRANSFER 1962, VOL.3, HEMISPHERE PUBLISHING COMPANY,
 WASHINGTON, D.C., 1962, PP.223-227
 102023 1982 VIIHTC SURFVIB
 1FORCECONV

SURFACE VIBRATIONS — POOL BOILING

EERGLES;A.E.

"THE INFLUENCE OF HEATED-SURFACE VIBRATION ON POOL BOILING"

JOURNAL OF HEAT TRANSFER, VOL.91, 1969, PP.152-154

103006 1969 JHT SURFVIB
POOLBOIL INATCONV

CALUS;W.F. RICE;P.

"POOL BOILING HEAT TRANSFER FROM A VIBRATING SURFACE"

HEAT TRANSFER 1970, VOL.V, PAPER B1.1, ELSEVIER PUBLISH-
ING COMPANY, AMSTERDAM, 1970103007 1970 IVIHTC SURFVIB
POOLBOIL

CARR JR.;N.E.

"EFFECT OF VIBRATIONS ON HEAT TRANSFER TO BOILING LIQUIDS"

S.B. THESIS IN CHEMICAL ENGINEERING, MASSACHUSETTS INSTITUTE
OF TECHNOLOGY, 1939103001 1939 MIT SURFVIB
POOLBOIL

CHON;W.Y. NANGIA;K.K. WEBER;M.E.

"DYNAMICS OF BOILING BUBBLES FROM VIBRATING SURFACES"

CHEMICAL ENGINEERING PROGRESS SYMPOSIUM SERIES NO. 92,
VOL.65, 1969, PP.214-221103005 1968 AIChE SURFVIB
POOLBOIL

KOVALENKO;V.F.

"EXPERIMENTAL INVESTIGATION OF THE EFFECT OF VIBRATION

ON HEAT TRANSFER IN THE PRESENCE OF BOILING"

TEPLGENERETIKA, VOL.5, NO.1, 1958, PP.76-77
103002 1958 TE SURFVIB
POOLBOIL

MARKELS;M. DURFEE;R.L. RICHARDSON;R.

"ANNUAL REPORT OF METHODS TO INCREASE BURNOUT HEAT TRANSFER"

ATOMIC ENERGY COMMISSION REPORT NYO-9500, SEPTEMBER 1960
103008 1960 AEC SURFVIB

POOLBOIL

MC QUISTON;F.C. PARKER;J.D.

"EFFECT OF VIBRATION ON POOL BOILING"

AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.
67-HT-49, 1967103009 1967 ASME SURFVIB
POOLBOIL

NANGIA;K.K. CHON;W.Y.

"SOME OBSERVATIONS ON THE EFFECT OF INTERFACIAL VIBRATION

ON SATURATED BOILING HEAT TRANSFER"

AMERICAN INSTITUTE OF CHEMICAL ENGINEERS JOURNAL, VOL.13,
1967, PP.872-876103010 1967 AIChEJ SURFVIB
POOLBOIL

NESIS;Y.I. KOMAROV;V.I. KUL'GINA;L.M.

KUL'GIN;A.A. SOLGUB;I.S. NESIS;S.Y.

"BOILING AND CONVECTIVE HEAT TRANSFER FROM VIBRATING HOT
WIRES"HEAT TRANSFER-SOVIET RESEARCH, VOL. 12, NO. 2, 1980,
PP. 85-90.102001 1980 HTSR SURFVIB
1FCRCECCNV POOLBOIL

PRICE;D.C. PARKER;J.D.

"NUCLEATE BOILING ON A VIBRATING SURFACE"

AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.
67-HT-58, 1967103003 1967 ASME SURFVIB
POOLBOIL

RHEA;L.G. NEVINS;R.G.

"FILM BOILING HEAT TRANSFER FROM AN OSCILLATING SPHERE"

JOURNAL OF HEAT TRANSFER, VOL.91, 1969, PP.251-258

103004 1969 JHT SURFVIB
POOLBOIL

SURFACE VIBRATIONS — FLOW BOILING

PEARCE;H.R.
 "THE EFFECT OF VIBRATION ON BURNOUT IN VERTICAL, TWO-PHASE
 FLOW"
 ATOMIC ENERGY RESEARCH ESTABLISHMENT REPORT AERE-R 6375,
 1970
 104001 1970 AERE SURFVIB
 FLOBOIL

RABEN;I.A. COMMERFORD;G.E. NEVILLE;G.E.
 "AN INVESTIGATION OF THE USE OF ACOUSTIC VIBRATIONS TO
 IMPROVE HEAT TRANSFER RATES AND REDUCE SCALING IN DISTIL-
 LATION UNITS USED FOR SALINE WATER CONVERSION"
 FINAL REPORT, CONTRACT NO.14-01-188 PROJECT 2-919-1, SOUTH-
 WEST RESEARCH INSTITUTE, 1962
 102017 1962 ** SURFVIB
 1FORCECONV FLOBOIL CONDENSATION MASSTRAN

SURFACE VIBRATIONS — CONDENSATION

BRODOV;Y.M. SAVEL'YEV;R.Z. PERMYAKOV;V.A.
 KUPTSCV;V.K. GAL'PERIN;A.G.
 "THE EFFECT OF VIBRATION ON HEAT TRANSFER AND FLOW OF
 CONDENSING STEAM ON A SINGLE TUBE"
 HEAT TRANSFER - SOVIET RESEARCH, VOL.9, NO.1, 1977,
 PP.152-156

105005 1977 HTSR SURFVIB
 CONDENSATION

DENT;J.C.
 "THE CALCULATION OF HEAT TRANSFER FOR CONDENSATION OF STEAM
 ON A VIBRATING VERTICAL TUBE"
 INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.12,
 1969, PP.991-996
 105002 1969 IJHMT SURFVIB
 CONDENSATION

DENT;J.C.
 "EFFECT OF VIBRATION ON CONDENSATION HEAT TRANSFER TO A
 HORIZONTAL TUBE"
 PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS,
 VOL.184, PART 1, 1969-1970, PP.99-105
 105003 1969 PIME SURFVIB
 CONDENSATION

HAUGHEY;D.P.
 "HEAT TRANSFER DURING CONDENSATION ON A VIBRATING TUBE"
 TRANSACTIONS OF THE INSTITUTION OF MECHANICAL ENGINEERS,
 VOL.43, 1965, PP.T43-T48
 105001 1965 ** SURFVIB
 CONDENSATION

ISACHENKO;V.P. BRODOV;Y.M. SAVEL'YEV;R.Z.
 PERMYAKOV;V.A. GALPERIN;L.G. NIRENSTEIN;N.A.
 RYAECHIKOV;A.Y.
 "EFFECT OF VIBRATION ON HEAT TRANSFER AND FLUID FLOW IN

STEAM CONDENSATION ON A VERTICAL TUBE"
 ABSTRACT FROM THE SIXTH ALL-UNION HEAT AND MASS TRANSFER
 CONFERENCE, MINSK, USSR, 1980, HEAT TRANSFER - SOVIET
 RESEARCH, VOL.13, NO.6, 1981, P.133
 115001 1981 HTSR SURFVIB
 CONDENSATION

RAEEN;I.A. COMMERFORD;G.E. NEVILLE;G.E.
 "AN INVESTIGATION OF THE USE OF ACOUSTIC VIBRATIONS TO
 IMPROVE HEAT TRANSFER RATES AND REDUCE SCALING IN DISTIL-
 LATION UNITS USED FOR SALINE WATER CONVERSION"
 FINAL REPORT, CONTRACT NO.14-01-188 PROJECT 2-919-1, SOUTH-
 WEST RESEARCH INSTITUTE, 1962
 102017 1962 ** SURFVIB
 IFORCECONV FLOBOIL CONDENSATION MASSTRAN

RAHMAN;A.A.
 "DROPWISE CONDENSATION ON VIBRATING CONDENSING SURFACE"
 PH.D. THESIS, UNIVERSITY OF TORONTO, 1976
 105004 1976 ** SURFVIB
 CONDENSATION
 NHC

SAVEL'YEV;R.Z. BRODOV;Y.M. GAL'PERIN;L.G.
 NIRENSHTEYN;M.A. RYAECHIKOV;A.Y.
 "HEAT TRANSFER AND FLOW IN CONDENSATION ON VIBRATING TUBES"
 HEAT TRANSFER-SOVIET RESEARCH, VOL. 12, NO. 4, 1980, PP.1-5.
 105007 1980 HTSR SURFVIB
 CONDENSATION

SAVELIEV;R.Z. BRODOV;Y.M.
 "INVESTIGATION OF STEAM CONDENSATION ON A VIBRATING
 HORIZONTAL TUBE"
 THERMAL ENGINEERING, VOL.25, NO.9, 1978, PP.15-17.
 105006 1978 TENG SURFVIB
 CONDENSATION

SURFACE VIBRATIONS — MASS TRANSFER

ECROVSKIY;V.R. SATANOVSKIY;A.L. KIGEL;T.B.
 LOPATIN;V.V. BELIKOVA;D.Y. BUGAYCHUK;N.F.
 "EFFECT OF HEATING AND VIBRATIONS ON THE RATE OF FIBER
 FINISHING PROCESSES"
 HEAT TRANSFER-SOVIET RESEARCH, VOL.2, NO.1, 1970, PP.80-83
 106002 1970 HTSR SURFVIB
 MASSTRAN

BRETSZNAJDER;S. JASZCZAK;M. PASIUK;W.
 "INCREASING THE RATE OF CERTAIN INDUSTRIAL CHEMICAL
 PROCESSES BY THE USE OF VIBRATION"
 INTERNATIONAL CHEMICAL ENGINEERING, VOL.3, 1963, PP.496-502
 106006 1963 ICE SURFVIB
 MASSTRAN

DEMARGUE;P. KALACHE;D.
 "ETUDE DU TRANSFERT DE MASSE SUR UN CYLINDRE OSCILLANT
 SINUSOIDALEMENT DANS UN FLUID NEWTONIEN AU REPOS"
 INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.20,
 1977, PP.773-785
 106007 1977 IJHMT SURFVIB
 MASSTRAN

FIKLISTOV;I.N. AKSELUD;G.A.
 "KINETICS OF MASS TRANSFER WITH OSCILLATORY MOTION OF A
 SOLID IN A FLUID FLOW"
 INZHENERNO-FIZICHESKII ZHURNAL, VOL.7, NO.1, 1964, PP.45-48
 106001 1964 ** SURFVIB
 MASSTRAN

JAMESON;G.J.
 "MASS (OR HEAT) TRANSFER FROM AN OSCILLATING CYLINDER"
 CHEMICAL ENGINEERING SCIENCE, VOL.19, 1964, PP.793-800
 101023 1964 CES SURFVIB
 1NATCONV MASSTRAN

KNIGHT;I.C. RATKOWSKY;D.A.
 "THE EFFECT OF VIBRATION UPON RATE OF SUBLIMATION"
 AMERICAN INSTITUTE OF CHEMICAL ENGINEERS JOURNAL, VOL.11,
 1965, PP. 370, 374-377
 106003 1965 AIChEJ SURFVIB

MASSTRAN

KREMNEV;G.A. BOROVSKIY;V.R. SATANOVSKIY;A.L.
 LOPATIN;V.V. DUKHNENKO;N.T.
 "VIBRATION-AIDED DRYING OF SYNTHETIC (VISCOSE) FIBER BUNDLES
 HEAT TRANSFER - SOVIET RESEARCH, VOL.9, NO.2, 1977, PP.77-82
 106004 1977 HTSR SURFVIB
 MASSTRAN

MITSCHKA;P. REISEK;J. WEIN;O.
 SOBOLIK;V.
 "VIBRATION-AUGMENTED HEAT AND MASS TRANSFER BETWEEN THE GAS
 PHASE AND A HIGHLY CONCENTRATED SUSPENSION"
 HEAT TRANSFER - SOVIET RESEARCH, VOL.14, NO.2, 1982,
 PP.60-68
 116014 1982 HTSR SURFVIB
 MASSTRAN

RABEN;I.A. COMMERFORD;G.E. NEVILLE;G.E.
 "AN INVESTIGATION OF THE USE OF ACCUSTIC VIBRATIONS TO
 IMPROVE HEAT TRANSFER RATES AND REDUCE SCALING IN DISTIL-
 LATION UNITS USED FOR SALINE WATER CONVERSION"
 FINAL REPORT, CONTRACT NO.14-01-188 PROJECT 2-919-1, SOUTH-
 WEST RESEARCH INSTITUTE, 1962
 102017 1962 ** SURFVIB
 1FORCECONV FLOBOIL CONDENSATION MASSTRAN

SUGANO;Y. RATKOWSKY;D.A.
 "EFFECT OF TRANSVERSE VIBRATION UPON THE RATE OF MASS
 TRANSFER FROM HORIZONTAL CYLINDERS"
 CHEMICAL ENGINEERING SCIENCE, VOL.23, 1968, PP.707-716
 106005 1968 CES SURFVIB
 MASSTRAN

WONG;P.F.Y. KO;N.W.N.
 "EFFECT OF EXCITATION ON MASS TRANSFER FROM CYLINDERS"
 PROCEEDINGS FIFTH NATIONAL HEAT AND MASS TRANSFER
 CONFERENCE, HYDERABAD, INDIA, FEBRUARY 1980.
 106008 1980 ** SURFVIB
 MASSTRAN

FLUID VIBRATIONS — NATURAL CONVECTION

- EESTMAN;A.R.
"PULSATILE FLOW IN HEATED POROUS CHANNEL"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.25,
1982, PP.675-682
142037 1982 IJHMT COMPOUNDTech
TREATSURF FLUIDVIB IFORCECONV INATCONV
- BURDUKOV;A.P. NAKORYAKOV;V.E.
"HEAT TRANSFER FROM A CYLINDER IN A SOUND FIELD AT GRASHOF
NUMBERS APPROACHING ZERO"
ZHURNAL PRIKLADNOI MEKHANIKI I TEKHNIЧЕСКОИ ФИЗИКИ, NO.1,
1965, PP.119-124
111019 1965 ** FLUIDVIB
INATCONV
- CARLEY;C.T. BELL;C.J. FORBES;R.E.
SMITH;G.V.
"VIBRATION EFFECTS ON CONVECTIVE HEAT TRANSFER IN A CRYOGEN-
FILLED ENCLOSURE"
ADVANCES IN CRYOGENIC ENGINEERING, VOL.16, PLENUM PRESS,
NEW YORK, 1970, PP.494-501
101032 1970 ** SURFVIB
FLUIDVIB INATCONV
- FAND;R.M. KAYE;J.
"THE INFLUENCE OF SOUND ON FREE CONVECTION FROM A HORIZONTAL
CYLINDER"
JOURNAL OF HEAT TRANSFER, VOL.83, 1961, PP.133-148
111043 1961 JHT FLUIDVIB
INATCONV
- FAND;R.M. KAYE;J.
"THE INFLUENCE OF SOUND ON FREE CONVECTION FROM A HORIZONTAL
CYLINDER"
WRIGHT AIR DEVELOPMENT CENTER REPORT WADC TN 59-18, MARCH
1959
111011 1959 ** FLUIDVIB
INATCONV
- FAND;R.M. ROOS;J. CHENG;P.
KAYE;J.
"THE LOCAL HEAT-TRANSFER COEFFICIENT AROUND A HEATED
HORIZONTAL CYLINDER IN AN INTENSE SOUND FIELD"
JOURNAL OF HEAT TRANSFER, VOL.84, 1962, PP.245-250
111013 1962 JHT FLUIDVIB
INATCONV
- FAND;R.M.
"ON THE MECHANISM OF INTERACTION BETWEEN VIBRATIONS AND
HEAT TRANSFER"
THE JOURNAL OF THE ACOUSTICAL SOCIETY OF AMERICA, VOL.34,
1962, PP.1887-1894
111014 1962 ** FLUIDVIB
INATCONV
- FAND;R.M.
"THE INFLUENCE OF ACOUSTIC VIBRATIONS ON HEAT TRANSFER BY
NATURAL CONVECTION FROM A HORIZONTAL CYLINDER TO WATER"
JOURNAL OF HEAT TRANSFER, VOL.87, 1965, PP.309-310
111020 1965 JHT FLUIDVIB
INATCONV
- FAND;R.M.
"EVALUATION OF RICHARDSON'S CORRELATION OF THE INFLUENCE OF
SOUND ON HEAT TRANSFER AS MEASURED BY FAND AND KAYE"
JOURNAL OF HEAT TRANSFER, VOL.88, 1966, PP.247-248
111023 1966 JHT FLUIDVIB
INATCONV
- HOLMAN;J.P. MOTT-SMITH;T.P.
"THE EFFECTS OF CONSTANT-PRESSURE SOUND FIELDS ON FREE
CONVECTION HEAT TRANSFER FROM A HORIZONTAL CYLINDER"
JOURNAL OF AERO/SPACE SCIENCES, VOL.26, 1959, PP.188-189
111005 1959 ** FLUIDVIB
INATCONV
- HOLMAN;J.P.
"THE MECHANISM OF SOUND FIELD EFFECTS ON HEAT TRANSFER"
JOURNAL OF HEAT TRANSFER, VOL.82, 1960, PP.393-396
111008 1960 JHT FLUIDVIB
INATCONV
- HOSHINO;T. SAITO;H. YUKAWA;H.
"THE EFFECTS OF ULTRASONIC VIBRATIONS ON FREE CONVECTIVE
HEAT TRANSFER FROM HEATED WIRE TO WATER"
HEAT TRANSFER - JAPANESE RESEARCH, VOL.5, NO.1, 1976,
PP.37-49
111037 1976 HTJR FLUIDVIB
INATCONV
- HOSHINO;T. YUKAWA;H.
"THE EFFECT OF ULTRASONIC WAVES UPON HEAT TRANSFER FROM
CYLINDER TO FLUID"
PROCEEDINGS OF THE SECOND PACIFIC CHEMICAL ENGINEERING
CONGRESS, DENVER, AUGUST 1977, PP.66-73
111040 1977 ** FLUIDVIB
INATCONV MASSTRAN
- HOSHINO;T. YUKAWA;H.
"PHYSICAL MECHANISM OF HEAT TRANSFER FROM HEATED AND COOLED
CYLINDERS TO WATER IN AN ULTRASONIC STANDING WAVE FIELD"
JOURNAL OF CHEMICAL ENGINEERING, JAPAN, VOL.12, 1979,
PP.347-351.
111025 1979 ** FLUIDVIB
INATCONV
- JUNE;R.R. BAKER;M.J.
"THE EFFECT OF SOUND ON FREE CONVECTION HEAT TRANSFER FROM
A VERTICAL FLAT PLATE"
JOURNAL OF HEAT TRANSFER, VOL.85, 1963, P.279
111016 1963 JHT FLUIDVIB
INATCONV
- KRYUKOV;Y.V. BCYKOV;G.P.
"AUGMENTATION OF HEAT TRANSFER IN AN ACOUSTIC FIELD"
HEAT TRANSFER - SOVIET RESEARCH, VOL.5, NO.1, 1973, PP.26-28
112072 1973 HTSR FLUIDVIB
IFORCECONV EXTENDED SURF COMPOUNDTech INATCONV
- KUBANSKII;P.N.
"SPECIAL CASES OF THE ACOUSTIC STREAMING OF HEATED SOLIDS"
SOVIET PHYSICS-ACOUSTICS, VOL.7, 1961, PP.165-168
111002 1961 ** FLUIDVIB
INATCONV
- KUBANSKII;P.N.
"CURRENTS AROUND A HEATED SOLID IN A STANDING ACOUSTIC
WAVE"
ZHURNAL TEKHNIСHКИИ ФИЗИКИ, VOL.22, 1952, PP.585-592.
TRANSACTIONS OF THE USSR ACADEMY OF SCIENCES, VOL.62, 1952,
PP.565-592
111003 1952 ** FLUIDVIB
INATCONV
- KUBANSKII;P.N.
"NOTE ON THEORY OF ACOUSTIC STREAMS IN THE ENVIRONS OF
HEATED SOLIDS"
SOVIET PHYSICS - ACOUSTICS, VOL.6, 1960, PP.462-467
111017 1960 ** FLUIDVIB
INATCONV
- KUBANSKII;P.N.
"THE EFFECT OF ACOUSTIC STREAMING ON CONVECTIVE HEAT
EXCHANGE"
SOVIET PHYSICS-ACOUSTICS, VOL.5, NO.1, 1959, PP.49-55
111033 1959 ** FLUIDVIB
INATCONV
- KUBANSKII;P.N.
"THEORY OF ACOUSTIC STREAMING OF HEATED SOLIDS"
SOVIET PHYSICS-ACOUSTICS, VOL.6, NO.4, 1961, PP.462-467
111034 1961 ** FLUIDVIB
INATCONV
- LARSON;M.B. LONDON;A.L.
"A STUDY OF THE EFFECTS OF ULTRASONIC VIBRATIONS ON
CONVECTIVE HEAT TRANSFER TO LIQUIDS"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.
62-HT-44, 1962
112011 1962 ASME FLUIDVIB
IFORCECONV INATCONV
- LARSON;M.E.

"A STUDY OF THE EFFECTS OF ULTRASONIC VIBRATIONS ON CONVECTIVE HEAT TRANSFER TO LIQUIDS"
TECHNICAL REPORT NO.48, DEPARTMENT OF MECHANICAL ENGINEERING, STANFORD UNIVERSITY, 1960
112037 1960 ** FLUIDVIB
1FORCECONV 1NATCONV

LEE;B.H. RICHARDSON;P.D.
"EFFECT OF SOUND ON HEAT TRANSFER FROM A HORIZONTAL CIRCULAR CYLINDER AT LARGE WAVELENGTH"
JOURNAL OF MECHANICAL ENGINEERING SCIENCE, VOL.7, 1965, PP.127-130
111022 1965 ** FLUIDVIB
1NATCONV

LEMLICH;R.
"VIBRATION AND PULSATION BOOST HEAT TRANSFER"
CHEMICAL ENGINEERING, VOL.68, 1961, PP.171-176
111012 1961 CE FLUIDVIB
1NATCONV

LI;K.W. PARKER;J.D.
"ACOUSTICAL EFFECTS ON FREE CONVECTIVE HEAT TRANSFER FROM A HORIZONTAL WIRE"
JOURNAL OF HEAT TRANSFER, VOL.89, 1967, PP.277-278
111026 1967 JHT FLUIDVIB
1NATCONV

MATSUMURA;H.
"THE INFLUENCE OF SOUND ON NATURAL CONVECTION FROM VERTICAL FLAT PLATES"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.26, 1983, PP.790-792
111029 1983 IJHMT FLUIDVIB
1NATCONV

RICHARDSON;P.D.
"EFFECTS OF SOUND AND VIBRATIONS ON HEAT TRANSFER"
APPLIED MECHANICS REVIEWS, VOL.20, 1967, PP.201-217
000017 1967 AMR LITSURVEY
SURFVIB FLUIDVIB 1NATCONV 1FORCECONV

RICHARDSON;P.D.
"INFLUENCE OF SOUND UPON LOCAL HEAT TRANSFER FROM A CYLINDER"
JOURNAL OF THE ACOUSTICAL SOCIETY OF AMERICA, VOL.36, 1964, PP.2323-2327
111016 1964 ** FLUIDVIB
1NATCONV

RICHARDSON;P.D.
"A CORRELATION OF THE INFLUENCE OF SOUND ON HEAT TRANSFER AS MEASURED BY FAND AND KAYE"
JOURNAL OF HEAT TRANSFER, VOL.87, 1965, PP.314-316
111021 1965 JHT FLUIDVIB
1NATCONV

RICHARDSON;P.D.
"LOCAL DETAILS OF THE INFLUENCE OF A VERTICAL SOUND FIELD ON HEAT TRANSFER FROM A CIRCULAR CYLINDER"
PROCEEDINGS OF THE THIRD INTERNATIONAL HEAT TRANSFER CONFERENCE, VOL.III, AMERICAN INSTITUTE OF CHEMICAL ENGINEERS, NEW YORK, 1966, PP.71-77
111024 1966 IIIIHTC FLUIDVIB
1NATCONV

RICHARDSON;P.D.
"LOCAL EFFECTS OF HORIZONTAL AND VERTICAL SOUND FIELDS ON NATURAL CONVECTION FROM A HORIZONTAL CYLINDER"
DIVISION OF ENGINEERING, BROWN UNIVERSITY, REPORT NO. 4F1754/5, AEROSPACE RESEARCH LABORATORIES, OFFICE OF AEROSPACE RESEARCH, UNITED STATES AIR FORCE: CONTRACT NO. F33615 67C 1754, FEBRUARY 1968
111027 1968 ** FLUIDVIB
1NATCONV

RICHARDSON;P.D.
"LOCAL EFFECTS OF HORIZONTAL AND VERTICAL SOUND FIELDS ON NATURAL CONVECTION FROM A HORIZONTAL CYLINDER"
JOURNAL OF SOUND AND VIBRATION, VOL.10, 1969, PP.32-47
111028 1969 ** FLUIDVIB
1NATCONV

RICHARDSON;P.D. TANASHITA;K.
"ANALYSIS OF LOWES MEASUREMENTS OF EFFECTS OF VIBRATION ON HEAT TRANSFER"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.17, 1974, PP.1118-1119
111035 1974 IJHMT FLUIDVIB
1NATCONV

ROBINSON;G.C. MC CLURE III.;C.M. HENDRICKS JR.;R.
"THE EFFECTS OF ULTRASONICS ON HEAT TRANSFER BY CONVECTION"
AMERICAN CERAMICS SOCIETY BULLETIN, VOL.37, 1958, PP.399-404
111004 1958 ** FLUIDVIB
1NATCONV

SEELY;J.H.
"EFFECT OF ULTRASONICS ON SEVERAL NATURAL CONVECTION COOLING SYSTEMS"
M.M.E. THESIS, SYRACUSE UNIVERSITY, 1960. INTERNATIONAL BUSINESS MACHINES CORPORATION TECHNICAL NOTE TN 00.456, AUGUST 1960
111009 1960 ** FLUIDVIB
1NATCONV

SMITH;G.V. FORBES;R.E.
"THE EFFECT OF RANDOM VIBRATION ON NATURAL CONVECTIVE HEAT TRANSFER IN RECTANGULAR ENCLOSURES"
AUGMENTATION OF CONVECTIVE HEAT AND MASS TRANSFER, AMERICAN SOCIETY OF MECHANICAL ENGINEERS, NEW YORK, 1970, PP.156-162
101033 1970 ACHMT SURFVIB
FLUIDVIB 1NATCONV

SPROTT;A.L. HOLMAN;J.P. DUJRAND;F.L.
"AN EXPERIMENTAL STUDY OF THE EFFECTS OF STRONG PROGRESSIVE SOUND FIELDS ON FREE-CONVECTION HEAT TRANSFER FROM HORIZONTAL CYLINDERS"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.60-HT-19, 1960. WRIGHT AIR DEVELOPMENT CENTER REPORT WADC TR 59-717, 1959
111007 1959 1960 ASME
FLUIDVIB 1NATCONV

TUCKER;W.S. PARIS;E.T.
"A SELECTIVE HOT WIRE MICROPHONE"
PROCEEDINGS OF THE ROYAL SOCIETY OF LONDON, SERIES A, VOL.221, 1921, PP.389-430
111001 1921 ** FLUIDVIB
1NATCONV

WESTERVELT;P.J.
"EFFECT OF SOUND WAVES ON HEAT TRANSFER"
THE JOURNAL OF THE ACOUSTICAL SOCIETY OF AMERICA, VOL.32, 1960, PP.337-338
111006 1960 ** FLUIDVIB
1NATCONV

WESTERVELT;P.J.
"EFFECT OF SOUND WAVES ON HEAT TRANSFER"
THE JOURNAL OF THE ACOUSTICAL SOCIETY OF AMERICA, VOL.35, 1963, P.618
111015 1963 ** FLUIDVIB
1NATCONV

YASHCHENKO;Y.A.
"TRANSFER OF HEAT TO FLUIDS IN ULTRASONIC AND SONIC FIELDS"
HEAT TRANSFER-SOVIET RESEARCH, VOL.2, NO.2, 1970, PP.170-174
111030 1970 HTSR FLUIDVIB
1NATCONV

YUKAWA;H. HOSHINO;T. SAITO;H.
"EFFECT OF ULTRASONIC VIBRATION ON FREE CONVECTIVE HEAT TRANSFER FROM AN INCLINED PLATE IN WATER"
HEAT TRANSFER - JAPANESE RESEARCH, VOL.5, NO.4, 1976, PP.1-16
111042 1976 HTJR FLUIDVIB
1NATCONV

ZHUKAUSKAS;A.A. SHLANCHYUSKAS;A.A. YARONEES;Z.P.
"INVESTIGATION OF THE INFLUENCE OF ULTRASONICS ON HEAT EXCHANGE BETWEEN BODIES IN LIQUIDS"
JOURNAL OF ENGINEERING PHYSICS, VOL.4, 1961, PP.58-61
111010 1961 JEP FLUIDVIB
1NATCONV

FLUID VIBRATIONS — FORCED CONVECTION

- ADACHI;T. OKAMOTO;S. ADACHI;M.
"THE EFFECT OF SOUND ON THE RATE OF HEAT TRANSFER FROM A
CYLINDER PLACED NORMAL TO AN AIR STREAM"
BULLETIN OF THE JAPAN SOCIETY OF MECHANICAL ENGINEERS, VOL.
22, NO.172, 1979, PP.1407-1415
112097 1979 ** FLUIDVIB
1FORCECONV
- ANDRE;P. CREFF;R. CRABOL;J.
BATINA;J.
"A THEORETICAL STUDY ON HEAT TRANSFER FOR A DEVELOPING
LAMINAR PULSED FLOW OF AIR IN TUBE"
HEAT TRANSFER 1982, VOL.3, HEMISPHERE PUBLISHING COMPANY,
WASHINGTON, D.C., 1982, PP.9-13
112103 1982 VIIHTC FLUIDVIB
1FORCECONV
- BAIRD;M.H.I. DUNCAN;G.J. SMITH;J.I.
TAYLOR;J.
"HEAT TRANSFER IN PULSED TURBULENT FLOW"
CHEMICAL ENGINEERING SCIENCE, VOL.21, 1966, PP.197-199
112034 1966 CES FLUIDVIB
1FORCECONV
- BARNETT;D.C. VACHON;R.I.
"AN ANALYSIS OF CONVECTIVE HEAT TRANSFER FOR PULSATING FLOW
IN A TUBE"
HEAT TRANSFER 1970, VOL.111, PAPER FC9.1, ELSEVIER PUBLISH-
ING COMPANY, AMSTERDAM, 1970
112038 1970 IVIHTC FLUIDVIB
1FORCECONV
- BASILICO;C. JUNG;G. MARTIN;M.
"CONVECTIVE TRANSFER BETWEEN A HEATED CYLINDER AND AN
AIRSTREAM CHARGED WITH SPRAYED WATER"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.24,
1981, PP.371-385
062023 1981 IJHMT ADDFORGASES
1FORCECONV FLUIDVIB
- BASILICO;D.C. MARTIN;M. BRUN;M.E.-A.
"FORCED CONVECTION FROM A CYLINDER TO AIR-WATER SPRAY FLOW"
C.R.ACAD.SC.PARIS, SERIES B, VOL.287, NO.5, 1978, PP.97-100.
112064 1978 ** FLUIDVIB
1FORCECONV ADDFORGASES
- BAUER;M.E. GORDEEV;A.G. UGRYUMOV;E.A.
"AN EXPERIMENTAL STUDY OF THERMAL PROCESSES IN RESONANCE
TUBES"
VESTNIK LINGRADSKOGO UNIVERSITETA. SERIJA MATEMATIKI,
MEKANIKA, I ASTRONOMII, VOL.2, 1982, PP.104-106
112115 1982 ** FLUIDVIB
1FORCECONV
- BERGLES;A.E. NEWELL JR.;P.H.
"THE INFLUENCE OF ULTRASONIC VIBRATIONS ON HEAT TRANSFER TO
WATER FLOWING IN ANNULI"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.8,
1965, PP.1273-1280
112030 1965 IJHMT FLUIDVIB
1FORCECONV FLOBOIL
- BERGLES;A.E.
"THE INFLUENCE OF FLOW VIBRATIONS ON FORCED-CONVECTION HEAT
TRANSFER"
JOURNAL OF HEAT TRANSFER, VOL.86, 1964, PP.559-560
112031 1964 JHT FLUIDVIB
1FORCECONV FLOBOIL
- BESTMAN;A.R.
"PULSATILE FLOW IN HEATED POROUS CHANNEL"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.25,
1982, PP.675-682
112050 1982 IJHMT FLUIDVIB
1FORCECONV
- BHATTACHARYA;S.C. HARRISON;D.
"HEAT TRANSFER IN A PULSED FLUIDIZED BED"
TRANSACTIONS OF THE INSTITUTION OF CHEMICAL ENGINEERS,
VOL.54, 1976, PP.281-286
082024 1976 ** ADDFORGASES
FLUIDVIB 1FORCECONV COMPOUNDTech
- BCKUN;I.A.
"HEAT EXCHANGE BETWEEN A FLUCTUATING BED AND A TUBE BUNDLE
SUBMERGED INTO IT"
AKADEMIYA NAUK BSSR, VESTSI SERIYA FIZIKA-ENERGETICHESKAYA
NO.2, 1977, PP.37-40.
112080 1977 ** FLUIDVIB
1FORCECONV
- BCRISOV;Y.Y. STATNIKOV;Y.G.
"THE EFFECT OF SOUND ON HEAT AND MASS TRANSFER OCCURRING IN
GASEOUS MEDIA"
JOURNAL OF ENGINEERING PHYSICS, VOL.13, NO.3, 1967, PP.200-
205
112041 1967 JEP FLUIDVIB
1FORCECONV
- CHALITBHAN;V.
"EFFECT OF LONGITUDINAL OSCILLATIONS ON HEAT TRANSFER"
PH.D. THESIS, UNIVERSITY OF TEXAS, JANUARY 1959.
112089 1959 ** FLUIDVIB
1FORCECONV
NHC
- CHANG;M.H.
"CURVED TUBE HEAT TRANSFER IN LAMINAR, PULSATILE, FULLY-
DEVELOPED FLOWS"
PH.D. DISSERTATION, UNIVERSITY OF ILLINOIS AT CHICAGO
CIRCLE, 1977
162009 1977 ** COILED TUBE
1FORCECONV FLUIDVIB COMPOUNDTech
NHC
- CHARYA;F.R.
"PULSATILE FLOW OF A DUSTY FLUID THROUGH A CONSTRICTED
CHANNEL"
ZEITSCHRIFT FÜR ANGEWANDTE MATHEMATIK UND PHYSIK, VOL.29,
NO.2, 1976, PP.217-225
112077 1976 ** FLUIDVIB
1FORCECONV ADDFORGASES
- CHEN;E.C. CHON;W.Y.
"EFFECTS OF ULTRASONIC VIBRATION ON THE DROPLET SIZE AND
THE INTERFACIAL AREA OF CONTACT IN A SPRAY COLUMN"
BRITISH CHEMICAL ENGINEERING, VOL.16, 1971, PP.919-921
116011 1971 ** FLUIDVIB
MASSTRAN 1FORCECONV
- CREFF;R. BATINA;J. ANDRE;P.
KARUNANITHI;V.S.
"NUMERICAL MODEL FOR DYNAMIC AND THERMAL DEVELOPMENTS OF
A PULSED LAMINAR DUCTED FLOW"
NUMERICAL HEAT TRANSFER, VOL.6, 1983, PP.173-188
112114 1983 ** FLUIDVIB
1FORCECONV
- DARLING;G.B.
"HEAT TRANSFER TO LIQUIDS IN INTERMITTENT FLOW"
PETROLEUM, MAY 1959, PP.177-178, 180
112013 1959 ** FLUIDVIB
1FORCECONV
- DAVIDSON;D.H.
"HEAT TRANSFER TO A LAMINAR INCOMPRESSIBLE FULLY DEVELOPED
PULSATILE FLOW BETWEEN PARALLEL FLAT PLATES"
PH.D. THESIS, NEW YORK UNIVERSITY, 1967
112068 1967 ** FLUIDVIB
1FORCECONV
NHC
- DYBAN;E.P. EPIK;E.Y.
"HEAT TRANSFER IN A BOUNDARY LAYER OF A PLATE IN AN AGITATED
AIR FLOW"
HEAT TRANSFER, 1976, SOVIET RESEARCHES, MOSCOW, 1980, PP.64-
70
112106 1978 ** FLUIDVIB
1FORCECONV
NHC
- EDWARDS;M.F. NELLIST;D.A. WILKINSON;W.L.
"HEAT TRANSFER TO VISCOUS FLUIDS IN PULSATILE FLOW IN PIPES"
THE CHEMICAL ENGINEER, NO.279, 1973, PP.532-537.

- 112067 1973 ** FLUIDVIB
1FORCECONV
EDWARDS;M.F. WILKINSON;W.L.
"REVIEW OF POTENTIAL APPLICATIONS OF PULSATING FLOW IN
PIPES"
TRANSACTIONS OF THE INSTITUTE OF CHEMICAL ENGINEERS, VOL.49,
1971, PP.85-94
112073 1971 ** FLUIDVIB
1FORCECONV
FAGHRI;A. FAGHRI;M. JAVDANI;K.
"EFFECTS OF FLOW PULSATION ON LAMINAR HEAT TRANSFER BETWEEN
TWO PARALLEL PLATES"
WAERME-UND STOFFUEBERTRAGUNG, VOL.13, NO.1/2, 1980,
PP.97-104.
112083 1980 ** FLUIDVIB
1FORCECONV
FAGHRI;M. JAVDANI;K. FAGHRI;A.
"HEAT TRANSFER WITH LAMINAR PULSATING FLOW IN A PIPE"
LETTERS IN HEAT AND MASS TRANSFER, VOL.6, 1979, PP.259-270.
112085 1979 LHMT FLUIDVIB
1FORCECONV
FAIRBANKS;H.V.
"INFLUENCE OF ULTRASOUND ON HEAT AND MASS TRANSFER: SOME
RESEARCH OBSERVATIONS"
PAPER PRESENTED AT SECOND WORLD CONGRESS OF CHEMICAL
ENGINEERING AND WORLD CHEMICAL EXPOSITION, MONTREAL, CANADA,
OCTOBER 1981.
112087 1981 ** FLUIDVIB
1FORCECONV MASSMAN
NHC
FALLEN;M.
"WAERMEUEBERGANG IM ROHR MIT UEBERLAGERTER STROEMUNGSPULSA-
TION"
WAERME-UND STOFFUEBERTRAGUNG, VOL.16, 1982, PP.89-99
112096 1982 ** FLUIDVIB
1FORCECONV
FAND;R.M. CHENG;P.
"THE INFLUENCE OF SOUND ON HEAT TRANSFER FROM A CYLINDER IN
CROSS FLOW"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.6,
1963, PP.571-596
111032 1963 IJHMT FLUIDVIB
1FORCECONV
FEDOROV;B.N.
"EXPERIMENTAL STUDY OF THE EFFECT OF ACOUSTIC OSCILLATIONS
OF A GAS FLOW ON HEAT TRANSFER"
INZHENERNO-FIZICHESKII ZHURNAL, VOL.32, NO.1, 1977, PP.61-67
112060 1977 ** FLUIDVIB
1FORCECONV
FEDOTKIN;I.M. KOSMINSKII;I.V.
"CHARACTERISTICS OF HEAT TRANSFER DURING PULSATING FLOW OF
WATER AND SUGAR SOLUTIONS IN HORIZONTAL AND VERTICAL PIPES"
PISHCH. PROM-ST'. RESP. MEZHVED. NAUCH.-TEKHN. SB., 1975,
PP.60-71
112070 1975 ** FLUIDVIB
1FORCECONV
FEDOTKIN;I.M. ZAETS;A.S.
"EXPERIMENTAL DATA CORRELATION ON HEAT TRANSFER FOR A
PULSATING LIQUID FLOW IN A HORIZONTAL TUBE"
IZVESTIYA V.U.Z., ENERGETIKA, NO.11, 1966, PP.72-76
112044 1968 ** FLUIDVIB
1FORCECONV
FEILER;C.E. YEAGER;E.B.
"EFFECT OF LARGE AMPLITUDE OSCILLATIONS ON HEAT TRANSFER"
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION REPORT NASA
TR R-142, 1962
112023 1962 NASA FLUIDVIB
1FORCECONV
FEILER;C.E.
"EXPERIMENTAL HEAT-TRANSFER AND BOUNDARY-LAYER BEHAVIOR WITH
100-CPS FLOW OSCILLATIONS"
- NATIONAL AERONAUTICS AND SPACE ADMINISTRATION TECHNICAL NOTE
D-2521, 1964
112024 1964 NASATN FLUIDVIB
1FORCECONV
FUJITA;N. TSUBOUCHI;T.
"AN EXPERIMENTAL STUDY OF UNSTEADY HEAT TRANSFER FROM A
FLAT PLATE TO AN OSCILLATING AIR FLOW"
HEAT TRANSFER - JAPANESE RESEARCH, VOL.11, NO.3, 1982,
PP.31-43
112108 1982 HTJR FLUIDVIB
1FORCECONV
FUSSEL;D.E. TAO;L.C.
"SONIC EFFECT ON CONVECTIVE HEAT AND MASS TRANSFER RATES
BETWEEN AIR AND A TRANSVERSE CYLINDER"
CHEMICAL ENGINEERING PROGRESS SYMPOSIUM SERIES, VOL.59,
NO.41, 1963, PP.180-184
112028 1963 CEPSS FLUIDVIB
1FORCECONV
GALITSEYSKIY;B.M. DANILOV;Y.I. DREYTSER;G.A.
KALININ;E.K. KOSHKIN;V.K.
"EFFECT OF RESONANT FLUCTUATIONS OF COOLANT PRESSURE ON
CONVECTIVE HEAT TRANSFER IN PIPES"
HEAT TRANSFER-SOVIET RESEARCH, VOL.1, NO.2, 1969, PP.177-185
112047 1969 HTSR FLUIDVIB
1FORCECONV
GALITSEYSKIY;B.M. DANILOV;Y.I. DREYSTER;D.A.
KALININ;E.K. KOSHKIN;V.A. YARKHO;S.A.
"EFFECT OF THE VARIABLE VOLUME OF A RESERVOIR ON THE
RESONANT FREQUENCY AND ON THE CONVECTIVE HEAT TRANSFER IN
PULSATING FLOW IN A TUBE"
HEAT TRANSFER-SOVIET RESEARCH, VOL.1, NO.2, 1969, PP.126-130
112048 1969 HTSR FLUIDVIB
1FORCECONV
GALITSEYSKIY;B.M. RYZHOV;Y.A.
"HEAT TRANSFER IN TURBULENT GAS FLOWS IN THE CASE OF HIGH
FREQUENCY PRESSURE FLUCTUATIONS"
HEAT TRANSFER-SOVIET RESEARCH, VOL.9, NO.4, 1977, PP.178-183.
112007 1977 HTSR FLUIDVIB
1FORCECONV
GALITSEYSKIY;B.M. NOZDRIN;A.A.
"THE EFFECT OF GAS FLOW FLUCTUATIONS ON HEAT TRANSFER
COEFFICIENTS IN SLOTTED CHANNELS"
HEAT TRANSFER - SOVIET RESEARCH, VOL.13, NO.4, 1981,
PP.25-29
112076 1981 HTSR FLUIDVIB
1FORCECONV
GALITSEYSKY;B.M. DANILOV;Y.I. DREYTSER;G.A.
KALININ;E.K. KOSHKIN;V.N.
"CONVECTIVE HEAT TRANSFER FOR A FLOW IN A PIPE FLUCTUATING
ABOUT THE FIRST RESONANT HARMONIC"
HEAT TRANSFER-SOVIET RESEARCH, VOL.1, NO.1, 1969, PP.164-176
112045 1969 HTSR FLUIDVIB
1FORCECONV
GUPTA;S.K.
"THE MASS AND HEAT TRANSFER IN LAMINAR PULSATILE FLOW"
DISSERTATION, POLYTECHNIC INSTITUTE OF NEW YORK, 1979
112093 1979 ** FLUIDVIB
1FORCECONV MASSTRAN
NHC
GUPTA;S.K. PATEL;R.D. ACKERBERG;R.C.
"WALL HEAT/MASS TRANSFER IN PULSATILE FLOW"
CHEMICAL ENGINEERING SCIENCE, VOL.37, NO.12, 1982, PP.
112111 1982 CES FLUIDVIB
1FORCECONV MASSTRAN
GUPTA;S.K. PATEL;R.D. ACKERBERG;R.C.
"WALL HEAT/MASS TRANSFER IN PULSATILE FLOW"
CHEMICAL ENGINEERING SCIENCE, VOL.37, 1982, PP.1727-1739
112116 1982 CES FLUIDVIB
1FORCECONV MASSTRAN
GUTMAN;R.G.
"VIBRATED BEDS OF POWDER: PART II. HEAT TRANSFER IN AND

ENERGY DISSIPATION OF A VIBRATED BED"
TRANSACTIONS OF THE INSTITUTION OF CHEMICAL ENGINEERS,
VOL.54, 1976, PP.251-257.

112066 1976 ** FLUIDVIB
1FORCECONV

GUTMARK;E. YASSOUR;Y. WOLFSHTEIN;M.
"ACOUSTIC ENHANCEMENT OF HEAT TRANSFER IN PLANE CHANNELS"
HEAT TRANSFER 1982, VOL.3, HEMISPHERE PUBLISHING COMPANY,
WASHINGTON, D.C., 1982, PP.441-445

112095 1982 VIIHTC FLUIDVIB
1FORCECONV

HARA;H. ENDOH;K.
"THE INFLUENCE OF ULTRASONICS ON HEAT TRANSFER FROM A SINGLE
SPHERE IN LIQUID"
JOURNAL OF CHEMICAL ENGINEERING (JAPAN), VOL.7, 1974,
PP.365-386

111038 1974 ** FLUIDVIB
1FORCECONV

HATAMI;R.
"PULSATING FLOW IN A HEAT EXCHANGER"
WAERME- UND STOFFUEBERTRAGUNG, VOL.14, 1980, PP.109-116
112086 1980 ** FLUIDVIB
1FORCECONV

HAVEMANN;H.A. RAO;N.N.N.
"HEAT TRANSFER IN PULSATING FLOW"
NATURE, VOL.174, 1954, P.41
112008 1954 ** FLUIDVIB
1FORCECONV

HERNDON;R.C. HUBBLE;P.E. GAINER;J.L.
"TWO PULSATORS FOR INCREASING HEAT TRANSFER"
INDUSTRIAL AND ENGINEERING CHEMISTRY PROCESS, DESIGN AND
DEVELOPMENT, VOL.19, 1960, PP.405-410
112100 1980 ** FLUIDVIB
1FORCECONV

HRIBAR;A.E. PURDY;K.R.
"ON THE INTERACTION OF INTENSE ACOUSTIC FIELDS AND VISCOUS
FLUID FLOWS"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.
68-WA/FE-8, 1968
112043 1968 ASME FLUIDVIB
1FORCECONV

HWANG;M-F. DYBBS;A.
"OSCILLATION HEAT TRANSFER IN A SMALL TUBE"
DEPARTMENT OF MECHANICAL AND AEROSPACE ENGINEERING, CASE
WESTERN RESERVE UNIVERSITY, REPORT NO. FTAS/TR-149, 1980
112091 1980 ** FLUIDVIB
1FORCECONV
NHC

INABA;T. MURATA;S.
"PULSATING LAMINAR FLOW IN A SINUSOIDALLY CURVED PIPE"
BULLETIN OF THE JAPAN SOCIETY OF MECHANICAL ENGINEERS,
VOL. 21, NO. 155, 1978, PP. 832-839.
112086 1978 BJSME FLUIDVIB
1FORCECONV COILED TUBE

JACKSON;T.W. HARRISON;W.B. BOTELER;W.C.
"FREE CONVECTION, FORCED CONVECTION, AND ACOUSTIC VIBRATIONS
IN A CONSTANT TEMPERATURE VERTICAL TUBE"
JOURNAL OF HEAT TRANSFER, VOL.81, 1959, PP.68-74
112014 1959 JHT FLUIDVIB
1FORCECONV

JACKSON;T.W. PURDY;K.R. OLIVER;C.C.
"THE EFFECTS OF RESONANT ACOUSTIC VIBRATIONS ON THE NUSSELT
NUMBER FOR A CONSTANT TEMPERATURE HORIZONTAL TUBE"
INTERNATIONAL DEVELOPMENTS IN HEAT TRANSFER, AMERICAN
SOCIETY OF MECHANICAL ENGINEERS, 1961, PP.483-489
112017 1961 IIIHTC FLUIDVIB
1FORCECONV

JACKSON;T.W. PURDY;K.R. KEITH;H.G.
RUDLAND;R.S.
"INVESTIGATION OF THE EFFECT OF ACOUSTIC VIBRATION ON
CONVECTIVE HEAT TRANSFER"

AEROSPACE RESEARCH LABORATORY REPORT ARL 65-97, MAY 1965
112018 1965 ** FLUIDVIB
1FORCECONV

JACKSON;T.W. PURDY;K.R.
"RESONANT PULSATING FLOW AND CONVECTIVE HEAT TRANSFER"
JOURNAL OF HEAT TRANSFER, VOL.87, 1965, PP.507-512
112032 1965 JHT FLUIDVIB
1FORCECONV

JAFFE;D. DYBBS;A.
"THE EFFECTS OF OSCILLATION ON CONVECTIVE HEAT TRANSFER"
DEPARTMENT OF MECHANICAL AND AEROSPACE ENGINEERING, CASE
WESTERN RESERVE UNIVERSITY, REPORT NO. FTAS/TR-80-144, 1980
112090 1980 ** FLUIDVIB
1FORCECONV
NHC

JENKINS;R.M. FAN;C.
"HEAT TRANSFER FOR ONE AND TWO-DIMENSIONAL PULSATING LAMINAR
FLOW IN A CIRCULAR TUBE"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.
67-HT-65, 1967
112042 1967 ASME FLUIDVIB
1FORCECONV

KARAMERCAN;O.E.
"ENHANCEMENT OF HEAT TRANSFER BY FLOW PULSATIONS"
PH.D. DISSERTATION, UNIVERSITY OF VIRGINIA, 1977
112082 1977 ** FLUIDVIB
1FORCECONV

KARAMERCAN;O.E. GAINER;J.L.
"THE EFFECT OF PULSATIONS ON HEAT TRANSFER"
INDUSTRIAL AND ENGINEERING CHEMISTRY FUNDAMENTALS, VOL.18,
1979, PP.11-15
112059 1979 IEC FLUIDVIB
1FORCECONV

KEIL;R.H. BAIRD;M.H.I.
"ENHANCEMENT OF HEAT TRANSFER BY FLOW PULSATION"
INDUSTRIAL AND ENGINEERING CHEMISTRY PROCESS, DESIGN AND
DEVELOPMENT, VOL.10, 1971, PP.473-478
112035 1971 ** FLUIDVIB
1FORCECONV

KITA;Y. HAYASHI;T. HIROSE;K.
"HEAT TRANSFER FOR PULSATING LAMINAR FLOW IN A NOZZLE (AT
CONSTANT WALL TEMPERATURES)"
BULLETIN OF THE JAPAN SOCIETY OF MECHANICAL ENGINEERS,
VOL.25, 1982, PP.217-224
112112 1982 BJSME FLUIDVIB
1FORCECONV

KOSHKIN;V.K. DANILOV;Y.I. KALININ;E.K.
DREITSER;G.A. GALITSEYSKY;B.M. IZOSIMO;V.K.
"UNSTEADY HEAT TRANSFER IN TUBES RESULTING FROM CHANGES
IN HEAT FLOW, GAS MASS FLOW RATE AND ACOUSTIC RESONANCE"
PROCEEDINGS OF THE THIRD INTERNATIONAL HEAT TRANSFER
CONFERENCE, AMERICAN INSTITUTE OF CHEMICAL ENGINEERS, NEW
YORK, VOL.III, 1966, PP.57-70
112035 1966 IIIHTC FLUIDVIB
1FORCECONV

KOTAKE;S. AOKI;I.
"HEAT TRANSFER FROM CYLINDER AND PLATE IN LARGE-AMPLITUDE
OSCILLATING FLOWS"
INSTITUTE OF SPACE AND AERONAUTICAL SCIENCE, UNI-
VERSITY OF TOKYO, REPORT NO. 590, FEBRUARY 1981
112099 1981 ** FLUIDVIB
1FORCECONV

KRISHNAN;K.N. RAO;B.K.S.
"EFFECT OF VIBRATION ON THE PERFORMANCE OF A DOUBLE PIPE
HEAT EXCHANGER"
INDIAN JOURNAL OF TECHNOLOGY, VOL.13, NO.1, 1975, PP.1-6
112062 1975 ** FLUIDVIB
1FORCECONV

KRISHNAN;K.N. SASTRI;V.M.K.
"PULSATING FLOWS IN HEAT EXCHANGERS - AN EXPERIMENTAL

- STUDY"
WAERME-UND STOFFUEBERTRAGUNG, VOL.16, 1982, PP.169-173
112109 1982 ** FLUIDVIB
1FORCECONV
- KRYUKOV;Y.V. BOYKOV;G.P.
"AUGMENTATION OF HEAT TRANSFER IN AN ACOUSTIC FIELD"
HEAT TRANSFER - SOVIET RESEARCH, VOL.5, NO.1, 1973, PP.26-28
112072 1973 HTSR FLUIDVIB
1FORCECONV EXTENDED SURF COMPOUNDTECH 1NATCONV
- KUBANSKII;P.N.
"EFFECTS OF ACOUSTIC VIBRATION OF FINITE AMPLITUDE ON THE BOUNDARY LAYER"
ZHURNAL TEKHNIKESKII FISIKI, VOL.22, 1952, PP.593-601
112006 1952 ** FLUIDVIB
1FORCECONV
- KUBANSKII;P.N.
"ACCELERATION OF CONVECTIVE HEAT EXCHANGE BY ACOUSTIC STREAMING"
SOVIET PHYSICS-ACOUSTICS, VOL.8, NO.1, 1962, PP.62-65
112020 1962 ** FLUIDVIB
1FORCECONV
- LALWANI;P.C. DAS;K.L. BHATTACHARYYA;T.K.
BHADURI;D.
"HEAT TRANSFER CHARACTERISTICS OF A PULSATING COMBUSTION SYSTEM"
MECHANICAL ENGINEERING BULLETIN, VOL.10, NO.1-2, 1979, PP.7-11
112110 1979 ** FLUIDVIB
1FORCECONV
- LARSON;M.B. LONDON;A.L.
"A STUDY OF THE EFFECTS OF ULTRASONIC VIBRATIONS ON CONVECTIVE HEAT TRANSFER TO LIQUIDS"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO. 62-HT-44, 1962
112011 1962 ASME FLUIDVIB
1FORCECONV 1NATCONV
- LARSON;M.B.
"A STUDY OF THE EFFECTS OF ULTRASONIC VIBRATIONS ON CONVECTIVE HEAT TRANSFER TO LIQUIDS"
TECHNICAL REPORT NO.48, DEPARTMENT OF MECHANICAL ENGINEERING, STANFORD UNIVERSITY, 1960
112037 1960 ** FLUIDVIB
1FORCECONV 1NATCONV
- LEMLICH;R. HWU;C.K.
"THE EFFECT OF ACOUSTIC VIBRATION ON FORCED CONVECTIVE HEAT TRANSFER"
AMERICAN INSTITUTE OF CHEMICAL ENGINEERS JOURNAL, VOL.7, 1961, PP.102-106
112016 1961 AICHEJ FLUIDVIB
1FORCECONV
- LEMLICH;R.
"A MUSICAL HEAT EXCHANGER"
JOURNAL OF HEAT TRANSFER, VOL.83, 1961, PP.385-386
112019 1961 JHT FLUIDVIB
1FORCECONV
- LEMLICH;R. ARMOUR;J.C.
"FORCED CONVECTIVE HEAT TRANSFER TO A PULSED LIQUID"
AMERICAN INSTITUTE OF CHEMICAL ENGINEERS PREPRINT NO.2, FOR SIXTH NATIONAL HEAT TRANSFER CONFERENCE, AUGUST 1963
112025 1963 AICHE FLUIDVIB
1FORCECONV
- LEUNG;C.T. KO;N.W.M.
"EFFECT OF ACOUSTIC EXCITATION ON HEAT TRANSFER FROM CIRCULAR CYLINDERS IN CROSSFLOW"
HEAT TRANSFER 1982, VOL.6, HEMISPHERE PUBLISHING COMPANY, WASHINGTON, D.C., 1982, PP.229-232
112102 1982 VIIHTC FLUIDVIB
1FORCECONV
- LINKE;W. HUFSCMIDT;W.
"WAERMEUEBERGANG BEI PULSIERENDER STROEMUNG"
CHEMIE-INGENIEUR-TECHNIK, VOL.30, 1958, PP.159-165
- 112012 1958 ** FLUIDVIB
1FORCECONV
- LUDLOW;J.C. KIRWAN;D.J. GAINER;J.L.
"HEAT TRANSFER WITH PULSATING FLOW"
CHEMICAL ENGINEERING COMMUNICATIONS, VOL.7, NO.4-5, 1980, PP.211-218
112098 1980 ** FLUIDVIB
1FORCECONV
- MAMAEV;V.V. NOSOV;V.S. SYROMIATNIKOV;N.I.
"A STUDY OF HEAT TRANSFER IN FLUCTUATING WATER FLOW INSIDE A TUBE"
PROCEEDINGS OF SOVIET HIGHER SCHOOLS, ENERGETICS, VOL.9, 1975
112052 1975 ** FLUIDVIB
1FORCECONV
- MAMAEV;V.V. NOSOV;V.S. SYROMIATNIKOV;N.I.
"HYDRAULIC RESISTANCE AND HEAT TRANSFER IN A PULSATING FLOW OF A GAS-SOLID MIXTURE"
JOURNAL OF ENGINEERING PHYSICS, VOL.31, 1976, PP.1284-1288
082100 1976 JEP ADDFORGASES
FLUIDVIB 1FORCECONV
- MAMAEV;V.V. NOSOV;V.S. SYROMIATNIKOV;N.I.
"EFFECT OF CONCENTRATION OF SOLID PARTICLES IN AIR ON HEAT TRANSFER DURING PULSATING FLOW"
IZV. VYSSH. UCHEBN. ZAVED. ENERG., NO.4, 1976, PP.95-98
082076 1976 ** ADDFORGASES
1FORCECONV FLUIDVIB COMPOUNDTECH
- MAMAEV;V.V. NOSOV;V.S. SYROMIATNIKOV;N.I.
"EFFECT OF MAIN FACTORS ON MEAN HEAT TRANSFER OF STEADY AND OSCILLATING DUST-GAS FLOWS"
JOURNAL OF ENGINEERING PHYSICS, VOL.37, NO.1, 1979, PP.779-784
142030 1979 JEP COMPOUNDTECH
1FORCECONV ADDFORGASES FLUIDVIB
- MAMAYEV;V.V. NOSOV;V.S. SYROMIATNIKOV;N.I.
"INVESTIGATION OF HEAT TRANSFER IN PULSED FLOW OF AIR IN PIPES"
HEAT TRANSFER - SOVIET RESEARCH, VOL.8, NO.3, 1976, PP.111-116
112063 1976 HTSR FLUIDVIB
1FORCECONV
- MARCHANT;J.H.
"DISCUSSION OF PAPER BY R.C. MARTINELLI ET AL."
TRANSACTIONS OF THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS, VOL.65, 1943, PP.796-797
112002 1943 ASME FLUIDVIB
1FORCECONV
- MARTIN;M. KOEUT;S.
"ETUDE AEROTHERMIQUE D'UN SILLAGE DE MARCHE EN ECCULEMENT PERMANENT ET PULSE"
HEAT TRANSFER 1978, VOL.5, HEMISPHERE PUBLISHING CORPORATION, WASHINGTON, D.C., 1978, PP.285-290
112074 1978 VIIHTC FLUIDVIB
1FORCECONV
- MARTINELLI;R.C. BOELTER;L.M. WEINBERG;E.B. TAKAH;S.
"HEAT TRANSFER TO A FLUID FLOWING PERIODICALLY AT LOW FREQUENCIES IN A VERTICAL TUBE"
TRANSACTIONS OF THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS, VOL.65, 1943, PP.789-798
112001 1943 ASME FLUIDVIB
1FORCECONV
- MATHEWSON;W.F. SMITH;J.C.
"EFFECT OF SONIC PULSATION ON FORCED CONVECTIVE HEAT TRANSFER TO AIR AND ON FILM CONDENSATION OF ISOPROPANOL"
CHEMICAL ENGINEERING PROGRESS SYMPOSIUM SERIES, VOL.59, NO.41, 1963, PP.173-179
112027 1963 CEPSS FLUIDVIB
1FORCECONV CONDENSATION
- MC MICHAEL;W.J. HELLMUS;J.D.
"INTERPHASE MASS AND HEAT TRANSFER IN PULSATILE FLOW"
AMERICAN INSTITUTE OF CHEMICAL ENGINEERS JOURNAL, VOL.21,

- 1975, PP. 743-752
112056 1975 AICHEJ FLUIDVIB
1FORCECONV MASSTRAN
- MOCHIZUKI;S. HATTA;K.
"HEAT TRANSFER OF PULSATING LAMINAR FLOW IN A HORIZONTAL TUBE"
TRANSACTIONS OF JAPAN SOCIETY OF MECHANICAL ENGINEERS, VOL. 39, 1973, PP. 682-691
112036 1973 ** FLUIDVIB
1FORCECONV
- MOCHIZUKI;S.
"HEAT TRANSFER FOR PULSATING LAMINAR FLOW IN A CIRCULAR TUBE"
HEAT TRANSFER - JAPANESE RESEARCH, VOL. 5, NO. 3, 1976, PP. 51-74
112055 1976 HTJR FLUIDVIB
1FORCECONV
- MOISSIS;R. MAROTI;L.A.
"THE EFFECT OF SONIC VIBRATIONS ON CONVECTIVE HEAT TRANSFER IN AN AUTOMOTIVE TYPE RADIATOR SECTION"
DYNATECH CORPORATION REPORT NO. 322, JULY, 1962
112056 1962 ** FLUIDVIB
1FORCECONV
- MORI;Y. IMABAYASHI;M. HIJIKATA;K.
YOSHIDA;Y.
"UNSTEADY HEAT AND MASS TRANSFER FROM SPHERES"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL. 12, 1969, PP. 571-585
112079 1969 IJHMT FLUIDVIB
1FORCECONV MASSTRAN
- MORRIS;R.R.
"EFFECT OF PULSATION ON HEAT TRANSFER IN STREAMLINE FLOW"
B.S. THESIS IN CHEMICAL ENGINEERING, UNIVERSITY OF WASHINGTON, 1949
112004 1949 ** FLUIDVIB
1FORCECONV NHC
- MUELLER JR.;W.K.
"HEAT TRANSFER CHARACTERISTICS OF PERIODICALLY PULSATING TURBULENT PIPE FLOW"
PH.D. THESIS, UNIVERSITY OF ILLINOIS, 1956
112009 1959 ** FLUIDVIB
1FORCECONV
- NAKORYAKOV;V.Y. BURDUKOV;A.P. BOLDYREV;A.M.
"THE EFFECT OF SOUND VIBRATION ON HEAT TRANSFER"
HEAT TRANSFER 1970, VOL. III, PAPER FC9.4, ELSEVIER PUBLISHING COMPANY, AMSTERDAM, 1970
112049 1970 IVIHTC FLUIDVIB
1FORCECONV
- NIIDA;T. YOSHIDA;T. YAMASHITA;R.
NAKAYAMA;S.
"THE INFLUENCE OF PULSATION ON LAMINAR HEAT TRANSFER IN PIPES"
HEAT TRANSFER - JAPANESE RESEARCH, VOL. 3, NO. 3, 1974, PP. 19-28
112054 1974 HIJR FLUIDVIB
1FORCECONV
- PARK;J.S. TAYLOR;M.F. MC ELIGOT;D.M.
"HEAT TRANSFER TO PULSATING, TURBULENT GAS FLOW"
HEAT TRANSFER 1982, VOL. 3, HEMISPHERE PUBLISHING COMPANY, WASHINGTON, D.C., 1982, PP. 105-110
112101 1982 VIIHTC FLUIDVIB
1FORCECONV
- PERESKO;A.A. FEDOROV;L.G. ZHIGALOV;M.S.
"AN EFFECT OF ACOUSTIC FLUCTUATIONS ON HEAT TRANSFER RATE IN SUGAR SOLUTIONS"
SAKHARNAYA PROMYSHLENNOST, NO. 11, 1974, PP. 54-56
112057 1974 ** FLUIDVIB
1FORCECONV
- PERRY;E.H. CULICK;F.C.C.
"MEASUREMENTS OF WALL HEAT TRANSFER IN THE PRESENCE OF LARGE AMPLITUDE COMBUSTION-DRIVEN OSCILLATIONS"
COMBUSTION SCIENCE AND TECHNOLOGY, VOL. 9, 1974, PP. 49-53.
112061 1974 FLUIDVIB 1FORCECONV
- PETERKA;J.A. RICHARDSON;P.D.
"EFFECTS OF SOUND ON SEPARATED FLOWS"
JOURNAL OF FLUID MECHANICS, VOL. 37, PART 2, 1969, PP. 265-287
112046 1969 ** FLUIDVIB
1FORCECONV
- PODYMOV;V.N.
"A PULSE CHAMBER FOR HEAT TRANSFER AUGMENTATION"
IZVESTIYA VYSSHIKH UCHEBNIKH ZAREDENII, ENERGETIKA, NO. 11, 1979, PP. 126-128
112092 1979 ** FLUIDVIB
1FORCECONV
- PURDY;K.R. JACKSON;T.W. GORTON;C.W.
"VISCOUS FLUID FLOW UNDER THE INFLUENCE OF A RESONANT ACOUSTIC FIELD"
JOURNAL OF HEAT TRANSFER, VOL. 86, 1964, PP. 97-106
112033 1964 JHT FLUIDVIB
1FORCECONV
- RABADI;M.J. CHOW;J.C.F. SIMON;H.A.
"HEAT TRANSFER IN CURVED TUBES WITH PULSATING FLOW"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL. 25, NO. 2, 1982, PP. 195-203
142034 1982 IJHMT COMPOUNDTECH
1FORCECONV COILED TUBE FLUIDVIB
- RABADI;N.J. SIMON;H.A. CHOW;J.C.F.
"HEAT TRANSFER IN CURVED TUBES WITH PULSATING FLOW"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS, PAPER NO. 81-WA/HT-7, 1981.
142031 1981 ASME COMPOUNDTECH
1FORCECONV COILED TUBE FLUIDVIB
- RABADI;N.J.
"PULSATING FLOW AND HEAT TRANSFER IN CURVED TUBES"
DISSERTATION, UNIVERSITY OF ILLINOIS AT CHICAGO CIRCLE, 1980
142032 1980 ** COMPOUNDTECH
FLUIDVIB COILED TUBE 1FORCECONV
- RABADI;N.J. SIMON;H.A. CHOW;J.C.F.
"NUMERICAL SOLUTION FOR FULLY DEVELOPED, LAMINAR PULSATING FLOW IN CURVED TUBES"
NUMERICAL HEAT TRANSFER, VOL. 3, NO. 2, 1980, PP. 225-239
142033 1980 ** COMPOUNDTECH
FLUIDVIB COILED TUBE 1FORCECONV
- RAGINSKII;L.S. LYUBIMOV;V.K.
"INTENSIFYING HEAT EXCHANGE USING PULSATION"
THE SOVIET CHEMICAL INDUSTRY, VOL. 10, 1978, PP. 589-594
112075 1978 ** FLUIDVIB
1FORCECONV
- RICHARDSON;P.D.
"EFFECTS OF SOUND AND VIBRATIONS ON HEAT TRANSFER"
APPLIED MECHANICS REVIEWS, VOL. 20, 1967, PP. 201-217
000017 1967 AMR LITSURVEY
SURFVIB FLUIDVIB 1NATCONV 1FORCECONV
- RICHARDSON;P.D.
"INFLUENCE OF SOUND ON HEAT TRANSFER IN SEPARATED FLOWS"
CHEMICAL ENGINEERING SCIENCE, VOL. 21, 1966, PP. 609-610
112040 1966 CES FLUIDVIB
1FORCECONV
- ROMIE;F.E. AMBROSIO;A.
"HEAT TRANSFER TO FLUIDS FLOWING WITH VELOCITY PULSATIONS IN A PIPE"
GOELTER ANNIVERSARY VOLUME, EDITED BY H.A. JOHNSON, MC GRAW-HILL BOOK COMPANY, NEW YORK, PP. 273-294
112021 1964 ** FLUIDVIB
1FORCECONV
- RUMYNSKII;A.N. SENKEVICH;M.V.
"EFFECTS OF HIGH-AMPLITUDE FLOW VIBRATION ON THE HEAT TRANSFER"
PROCEEDINGS OF THE SOVIET ACADEMY OF SCIENCES, MECHANICS OF LIQUIDS AND GASES, NO. 2, 1975, PP. 169-172

- 112053 1975 ** FLUIDVIB
1FORCECONV
- RYZHKOV;A.F. BASHAKOV;A.P. MUNT;V.A.
"HEAT TRANSFER FROM A HOT SURFACE TO A VIBRATED FLUIDIZED BED"
HEAT TRANSFER - SOVIET RESEARCH, VOL.6, NO.5, 1976, PP.136-140
062128 1976 HTSR ADDFORGASES
1FORCECONV FLUIDVIB
- RYZHCY;Y.A. GALITSEISKY;B.M.
"TOWARDS THE PROBLEM OF MAXIMUM HEAT TRANSFER INTENSIFICATION IN OSCILLATING TURBULENT GAS FLOWS"
ISSLEDOV. PO UPRUGOSTI PLASTICHN. VYP., VOL.13, 1980, PP.284-294
112107 1980 ** FLUIDVIB
1FORCECONV
- ŠAPOZHNIKOV;B.G. RESHETKOV;Y.G. KOSENKO;G.O.
KHARISOVA;N.M.
"INVESTIGATION OF LOCAL COEFFICIENTS OF HEAT TRANSFER FROM BUNDLES OF HORIZONTAL TUBES TO A VIBRATED FLUIDIZED BED"
HEAT TRANSFER - SOVIET RESEARCH, VOL.6, NO.5, 1976, PP.141-151
062129 1976 HISH ADDFORGASES
1FORCECONV FLUIDVIB
- SAUNDERS;R.C. HARRJE;D.T.
"HEAT TRANSFER IN OSCILLATING FLOW"
PRINCETON UNIVERSITY AERONAUTICAL ENGINEERING REPORT NO. 463-D, JULY 1963
112029 1963 ** FLUIDVIB
1FORCECONV
- SERGEEV;S.I.
"CHARACTERISTICS OF PULSATING LIQUID FLOW IN PIPES"
CHEMICAL AND PETROLEUM ENGINEERING, NO.5-6, 1969, PP.450-454
112071 1969 CPE FLUIDVIB
1FORCECONV
- SHAI;I. ROTEM;Z.
"HEAT TRANSFER TO WATER IN TURBULENT FLOW IN INTERNALLY HEATED ANNULI PART 2- PULSATING FLOW"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO. 60-HT-21, 1960
112015 1960 ASME FLUIDVIB
1FORCECONV
- SHEPTUN;V.M.
"INVESTIGATING THE EFFECT OF FLUCTUATIONS IN HEAT CARRIER SONIC FREQUENCY ON HEAT TRANSFER UNDER FORCED CONVECTION CONDITIONS"
THERMAL ENGINEERING, VOL.24, NO.9, 1977, PP.47-48
112078 1977 TENG FLUIDVIB
1FORCECONV
- SHIROTSUKA;T. HONDA;N. SHIMA;Y.
"ANALOGY OF MASS, HEAT AND MOMENTUM TRANSFER TO PULSATION FLOW FROM INSIDE TUBE WALL"
KAGAKU KIRAI, VOL.21, 1957, PP.638-644
- 112010 1957 ** FLUIDVIB
1FORCECONV
- SIEGEL;R. PERLMUTTER;M.
"HEAT TRANSFER FOR PULSATING LAMINAR DUCT FLOW"
JOURNAL OF HEAT TRANSFER, VOL.84, 1962 PP.111-123
112022 1962 JHT FLUIDVIB
1FORCECONV
- SIMON;H.A. CHANG;M.H. CHOW;J.C.F.
"HEAT TRANSFER IN CURVED TUBES WITH PULSATILE, FULLY DEVELOPED, LAMINAR FLOWS"
JOURNAL OF HEAT TRANSFER, VOL.99, 1977, PP.590-595
162093 1977 JHT COILED TUBE
FLUIDVIB 1FORCECONV COMPOUNDTECH
- STOSIC;N. HANJALIC;K.
"NUMERICAL STUDY OF UNSTEADY CONVECTIVE HEAT TRANSFER IN PULSATING DUCT FLOWS"
HEAT TRANSFER 1982, VOL.3, HEMISPHERE PUBLISHING COMPANY, WASHINGTON, D.C., 1982, PP.117-124
112104 1982 VIIHTC FLUIDVIB
1FORCECONV
- STOTTER;A. SOALN;A. FINK;M.
"HEAT TRANSFER IN OSCILLATING LIQUID-FILLED CYLINDERS"
LETTERS IN HEAT AND MASS TRANSFER, VOL.6, 1979, PP.413-418.
112064 1979 LHMT FLUIDVIB
1FORCECONV
- VLASOV;E.V. GINEVSKIY;A.S. UKHANOVA;L.N.
"HEAT AND MASS TRANSFER IN TURBULENT JETS SUBMERGED IN A SOUND VIBRATION FIELD"
FIFTH NATIONAL CONFERENCE ON HEAT AND MASS TRANSFER, MINSK, USSR, 1976, ABSTRACTED IN HEAT AND MASS TRANSFER SOURCEBOOK, SCRIPTA PUBLISHING COMPANY, 1977, PP.328.
112081 1976 ** FLUIDVIB
1FORCECONV MASSTRAN
- VLASOV;I.I. ZISER;I.G.
"HEAT TRANSFER EXPERIMENTS IN CHANNELS WITH OSCILLATING FLUIDS"
IZVESTIA VUZOV SSSR, AVIATIONNAIA TEKHNIKA, VOL.19, NO.3, 1976, PP.11-16
112065 1976 ** FLUIDVIB
1FORCECONV
- WEBB;R.P.
"THE EFFECT OF PULSATIONS ON HEAT TRANSFER IN A STREAMLINE FLOW"
B.S. THESIS IN CHEMICAL ENGINEERING, UNIVERSITY OF WASHINGTON, 1949
112003 1949 ** FLUIDVIB
1FORCECONV NHC
- WEST;F.B. TAYLOR;A.T.
"THE EFFECT OF PULSATIONS ON HEAT TRANSFER"
CHEMICAL ENGINEERING PROGRESS, VOL.48, NO.1, PP.34-43
112005 1952 CFP FLUIDVIB
1FORCECONV

FLUID VIBRATIONS — POOL BOILING

BURMEISTER;L.C. SCHOENHALS;R.J.
 "EFFECT OF PRESSURE FLUCTUATIONS ON LAMINAR FILM BOILING"
 AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.
 68-HT-28, 1968
 113009 1968 ASME FLUIDVIB
 POOLBOIL

DI CICCIO;D.A. SCHOENHALS;R.J.
 "HEAT TRANSFER IN FILM BOILING WITH PULSATING PRESSURES"
 JOURNAL OF HEAT TRANSFER, VOL.86, 1964, PP.457-461
 113005 1964 JHT FLUIDVIB
 POOLBOIL

FULS;G.M. GEIGER;G.E.
 "EFFECT OF BUBBLE STABILIZATION ON POOL BOILING HEAT
 TRANSFER"
 JOURNAL OF HEAT TRANSFER, VOL.97, 1970, PP.635-640
 113010 1970 JHT FLUIDVIB
 POOLBOIL

GIBBONS;J.H. HOUGHTON;G.
 "EFFECTS OF SONIC VIBRATIONS ON BOILING"
 CHEMICAL ENGINEERING SCIENCE, VOL.15, 1961, PP.146-148
 113004 1961 CES FLUIDVIB
 POOLBOIL

INOUE;A. BANKOFF;S.G.
 "DESTABILIZATION OF FILM BOILING DUE TO ARRIVAL OF A
 PRESSURE"
 JOURNAL OF HEAT TRANSFER, VOL.103, 1981, PP.459-464
 113016 1981 JHT FLUIDVIB
 POOLBOIL

ISAKOFF;S.E.
 "EFFECT OF AN ULTRASONIC FIELD ON BOILING HEAT TRANSFER-
 EXPLORATORY INVESTIGATION"
 HEAT TRANSFER AND FLUID MECHANICS INSTITUTE PREPRINTS,
 STANFORD UNIVERSITY, 1965, PP.16-28
 113001 1956 HTFMI FLUIDVIB
 POOLBOIL

LI;K.W. PARKER;J.D.
 "ACOUSTICAL EFFECTS ON NUCLEATE POOL BOILING HEAT TRANSFER
 FROM A HORIZONTAL WIRE"
 HEAT TRANSFER 1970, VOL.5, PAPER B1.5, ELSEVIER PUBLISH-
 ING COMPANY, AMSTERDAM, 1970
 113006 1970 IVIHTC FLUIDVIB
 POOLBOIL

LOOSLE;D.G. HOLDREDGE;R.M.
 "THE EFFECTS OF ACOUSTIC VIBRATIONS ON THE COOLDOWN TIME OF
 BODIES IN CYROGENIC LIQUIDS"
 HEAT TRANSFER 1970, VOL.IV, PAPER NC4.6, ELSEVIER PUBLISH-
 ING COMPANY, AMSTERDAM, 1970
 113011 1970 IVIHTC FLUIDVIB

POOLBOIL

MC COY;K.E. SCHOENHALS;R.J. WINTER;E.R.F.
 "THE EFFECT OF AN OSCILLATING PRESSURE ON NUCLEATE POOL
 BOILING"
 PROCEEDINGS OF 1970 HEAT TRANSFER INSTITUTE AND FLUID
 MECHANICS INSTITUTE, STANFORD UNIVERSITY PRESS, 1970,
 PP.46-57
 113012 1970 HTFMI FLUIDVIB
 POOLBOIL

ORNATSKII;A.P. SHCHERBAKOV;V.K.
 "INTENSIFICATION OF HEAT TRANSFER IN THE CRITICAL REGION
 WITH THE AID OF ULTRASONICS"
 TEPLOENERGETIKA, VOL.6, NO.1, 1959, PP.84-85
 113002 1959 TE FLUIDVIB
 POOLBOIL

SCHMIDT;F.W. TORCK;D.F. ROBINSON;G.E.
 "EXPERIMENTAL STUDY OF THE EFFECTS OF AN ULTRASONIC FIELD IN
 A NUCLEATE BOILING SYSTEM"
 JOURNAL OF HEAT TRANSFER, VOL.89, 1967, PP.289-294
 113008 1967 JHT FLUIDVIB
 POOLBOIL

SERGEYEV;G.I. KOVALENKO;V.P.
 "HEAT AND MASS TRANSFER IN FALLING FILMS WITH LOW
 FREQUENCY PERTURBATIONS OF THE INTERFACE"
 HEAT TRANSFER - SOVIET RESEARCH, VOL.13, NO.5, 1981,
 PP.96-104
 116029 1981 HTSR FLUIDVIB
 MASSTRAN POOLBOIL CONDENSATION

WONG;S.W. CHON;W.Y.
 "EFFECTS OF ULTRASONIC VIBRATIONS ON BURNOUT HEAT FLUX AND
 CRITICAL TEMPERATURE DIFFERENCE"
 THE CANADIAN JOURNAL OF CHEMICAL ENGINEERING, VOL.45, 1967,
 PP.384-385
 113007 1967 ** FLUIDVIB
 POOLBOIL

WONG;S.W. CHON;W.Y.
 "EFFECT OF ULTRASONIC VIBRATIONS ON HEAT TRANSFER TO LIQUIDS
 BY NATURAL CONVECTION AND BY BOILING"
 AMERICAN INSTITUTE OF CHEMICAL ENGINEERS JOURNAL, VOL.15,
 1969, PP.281-288
 113015 1969 AIChEJ FLUIDVIB
 POOLBOIL

YASHCHENKO;Y.V.
 "ON THE EFFECT OF SUPERSONIC VIBRATION ON BOILING HEAT
 TRANSFER"
 THERMOPHYSICS AND HEAT ENGINEERING, VOL.27, 1974, PP.138-140
 113014 1974 ** FLUIDVIB
 POOLBOIL

FLUID VIBRATIONS — FLOW BOILING

BERGLES;A.E. NEWELL JR.;P.H.
 "THE INFLUENCE OF ULTRASONIC VIBRATIONS ON HEAT TRANSFER TO
 WATER FLOWING IN ANNULI"
 INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.8,
 1965, PP.1273-1280
 112030 1965 IJHMT FLUIDVIB
 1FORCECCNV FLOBCIL

BERGLES;A.E.
 "THE INFLUENCE OF FLOW VIBRATIONS ON FORCED-CONVECTION HEAT
 TRANSFER"
 JOURNAL OF HEAT TRANSFER, VOL.86, 1964, PP.559-560
 112031 1964 JHT FLUIDVIB
 1FORCECCNV FLOBOIL

LARSEN;P.S. JENSEN;J.W.
 "EVAPORATION RATES OF DROPS IN FORCED CONVECTION WITH
 SUPERPOSED TRANSVERSE SOUND FIELD"

INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.21,
 1978, PP.511-517
 116022 1978 IJHMT FLUIDVIB
 MASSTRAN FLOBOIL

MINAKOV;Y.G.
 "CRITICAL HEAT FLUXES IN THE CASE OF PULSATING WATER FLOW
 IN PIPES"
 SOVIET AERONAUTICS, VOL.11, NO.2, 1968, PP.92-96
 114002 1968 ** FLUIDVIB
 FLOBOIL

ROMIE;F.E. ARONSON;C.A.
 "EXPERIMENTAL INVESTIGATION OF THE EFFECTS OF ULTRASONIC
 VIBRATIONS ON BURNOUT HEAT FLUX TO BOILING WATER"
 ATLANTIC RESEARCH CORPORATION REPORT ATL-A-123, JULY 1961
 114001 1961 ** FLUIDVIB
 FLOBOIL

FLUID VIBRATIONS — CONDENSATION

MATHEWSON;W.F. SMITH;J.C.
"EFFECT OF SONIC PULSATION ON FORCED CONVECTIVE HEAT
TRANSFER TO AIR AND ON FILM CONDENSATION OF ISOPROPANOL"
CHEMICAL ENGINEERING PROGRESS SYMPOSIUM SERIES, VOL.59;
NO.41, 1963, PP.173-179
112027 1963 CEPSS FLUIDVIB
1FORCECONV CONDENSATION

SERGEYEV;G.I. KOVALENKO;V.P.
"HEAT AND MASS TRANSFER IN FALLING FILMS WITH LOW
FREQUENCY PERTURBATIONS OF THE INTERFACE"
HEAT TRANSFER - SOVIET RESEARCH, VOL.13, NO.5, 1981,
PP.96-104
116029 1981 HTSR FLUIDVIB
MASSTRAN POOLEOIL CONDENSATION

FLUID VIBRATIONS — MASS TRANSFER

- AL-TAWEL;A.M. ISMAIL;M.I. NACUM;S.S.
"INTERPHASE MASS-TRANSFER IN PULSATING FLOWS"
PAPER NO.29F FOR THE 4TH JOINT CHEMICAL ENGINEERING
CONFERENCE, VANCOUVER, CANADA, SEPTEMBER 1973
116010 1973 ** FLUIDVIB
MASSTRAN
- AL-TAWEL;A.M. LANDAU;J.
"MASS TRANSFER BETWEEN SOLID SPHERES AND OSCILLATING FLUIDS
- A CRITICAL REVIEW"
CANADIAN JOURNAL OF CHEMICAL ENGINEERING, VOL.54, 1976,
PP.532-539
116012 1976 ** FLUIDVIB
MASSTRAN
- EAIRD;M.H.I. GARSTANG;J.H.
"POWER CONSUMPTION AND GAS HOLD-UP IN A PULSED COLUMN"
CHEMICAL ENGINEERING SCIENCE, VOL.22, 1967, PP.1663-1673
116016 1967 CES FLUIDVIB
MASSTRAN
- BELLHOUSE;B.J.
"A HIGH-EFFICIENCY MEMBRANE OXYGENATOR"
PLASTICS IN MEDICINE AND SURGERY CONFERENCE, PLASTICS AND
RUBBER INSTITUTE, UNIVERSITY OF STRATHCLYDE, GLASGOW,
SCOTLAND, SEPT., 1975, PP.18.1-18.8
026011 1975 ** ROUGHSURF
MASSTRAN FLUIDVIB COMPOUNDTECH
- BGLDAREV;A.M. BURDYKOV;A.P. NAKORYAKOV;V.YE.
SOSUNOV;V.I.
"EFFECT OF ULTRASONIC OSCILLATIONS ON MASS TRANSFER FROM A
SPHERE AT HIGH PRANDTL NUMBERS"
HEAT TRANSFER-SOVIET RESEARCH, VOL.4, NO.1, 1972, PP.148-151
116009 1972 HTSR FLUIDVIB
MASSTRAN
- BUCHANAN;R.H. JAMESON;G. CEDJOE;D.
"CYCLIC MIGRATION OF BUBBLES IN VERTICALLY VIBRATING
LIQUID COLUMNS"
INDUSTRIAL AND ENGINEERING CHEMISTRY FUNDAMENTALS, VOL.1,
1962, PP.82-86
116023 1962 ** FLUIDVIB
MASSTRAN
- CHEN;E.C. CHON;W.Y.
"EFFECT OF ULTRASONIC PULSATION ON CONTINUOUS LIQUID-LIQUID
EXTRACTION"
CHEMICAL ENGINEERING PROGRESS SYMPOSIUM SERIES, VOL.63
NO.77, 1967, PP.44-48
116007 1967 CEPSS FLUIDVIB
MASSTRAN
- CHEN;E.C. CHON;W.Y.
"EFFECT OF ULTRASONIC PULSATION ON BUBBLE INTERFACIAL AREA
IN A SPRAY COLUMN"
AMERICAN INSTITUTE OF CHEMICAL ENGINEERS PREPRINT 39G FOR
THE 64TH ANNUAL MEETING, NEW ORLEANS, LOUISIANA, MARCH 1969
116008 1969 AIChE FLUIDVIB
MASSTRAN
- CHEN;E.C. CHON;W.Y.
"EFFECTS OF ULTRASONIC VIBRATION ON THE DROPLET SIZE AND
THE INTERFACIAL AREA OF CONTACT IN A SPRAY COLUMN"
BRITISH CHEMICAL ENGINEERING, VOL.16, 1971, PP.919-921
116011 1971 ** FLUIDVIB
MASSTRAN 1FORCECONV
- CHEN;E.C. CHON;W.Y.
"EFFECT OF ULTRASONIC VIBRATIONS ON THE DROPLET REST TIME AT
THE LIQUID-LIQUID INTERFACE"
CANADIAN JOURNAL OF CHEMICAL ENGINEERING, VOL.47, 1969
PP.332-333
116015 1969 ** FLUIDVIB
MASSTRAN
- DRISCOLL;I.J. DORSON;N.J.
"VORTEX AUGMENTATION OF PLASMA AND BLOOD ULTRAFILTRATION"
INTERNATIONAL CONFERENCE ON MEDICAL AND BIOLOGICAL
ENGINEERING, VOL.11, 1976, PP.134-135
026012 1976 ** ROUGHSURF
MASSTRAN FLUIDVIB COMPOUNDTECH
- FAIREANKS;H.V.
"INFLUENCE OF ULTRASONIC ON HEAT AND MASS TRANSFER: SOME
RESEARCH OBSERVATIONS"
PAPER PRESENTED AT SECOND WORLD CONGRESS OF CHEMICAL
ENGINEERING AND WORLD CHEMICAL EXPOSITION, MONTREAL, CANADA,
OCTOBER 1981.
112087 1981 ** FLUIDVIB
1FORCECONV MASSTRAN
NHC
- FAND;R.M.
"THE FORMATION OF CALCIUM SULFATE SCALE ON A HEATED CYLINDER
IN CROSSFLOW AND ITS REMOVAL BY ACOUSTICALLY INDUCED
CAVITATION"
JOURNAL OF HEAT TRANSFER, VOL.91, 1969, PP.111-122
116005 1969 JHT FLUIDVIB
MASSTRAN
- GRASSMAN;P.P. TUMA;M.
"APPLICATIONS OF THE ELECTROLYTIC METHOD--II. MASS TRANSFER
WITHIN A TUBE FOR STEADY, OSCILLATING AND PULSATING FLOWS"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.22,
1979, PP.799-804
116027 1979 IJHMT FLUIDVIB
MASSTRAN
- GRASSMANN;P. TUMA;M.
"MEASUREMENT OF MASS TRANSFER BY THE ELECTROLYTIC METHOD FOR
STEADY PULSATING FLOW IN A TUBE"
GERMAN CHEMICAL ENGINEERING, VOL.1, 1978, PP.276-292
116026 1978 ** FLUIDVIB
MASSTRAN
- GUPTA;S.K.
"THE MASS AND HEAT TRANSFER IN LAMINAR PULSATILE FLOW"
DISSERTATION, POLYTECHNIC INSTITUTE OF NEW YORK, 1979
112093 1979 ** FLUIDVIB
1FORCECONV MASSTRAN
NHC
- GUPTA;S.K. PATEL;R.D. ACKERBERG;R.C.
"WALL HEAT/MASS TRANSFER IN PULSATILE FLOW"
CHEMICAL ENGINEERING SCIENCE, VOL.37, NO.12, 1982, PP.
112111 1982 CES FLUIDVIB
1FORCECONV MASSTRAN
- GUPTA;S.K. PATEL;R.D. ACKERBERG;R.C.
"WALL HEAT/MASS TRANSFER IN PULSATILE FLOW"
CHEMICAL ENGINEERING SCIENCE, VOL.37, 1982, PP.1727-1739
112116 1982 CES FLUIDVIB
1FORCECONV MASSTRAN
- HABAUM;K.L. HOUGHTON;G.
"EFFECTS OF SONIC VIBRATIONS ON THE RATE OF ABSORPTION OF
CARBON DIOXIDE IN GAS BUBBLE BEDS"
JOURNAL OF APPLIED CHEMISTRY, VOL.12, 1962, PP.234-240
116019 1962 ** FLUIDVIB
MASSTRAN
- HODGINS;J.W. HOFFMAN;T.W. PEI;D.C.
"THE EFFECT OF SONIC ENERGY ON MASS TRANSFER IN SOLID-GAS
CONTAINING OPERATIONS"
THE CANADIAN JOURNAL OF CHEMICAL ENGINEERING, VOL.31, 1957,
PP.18-24
116001 1957 ** FLUIDVIB
MASSTRAN
- HOSHINO;T. YUKAWA;H.
"THE EFFECT OF ULTRASONIC WAVES UPON HEAT TRANSFER FROM
CYLINDER TO FLUID"
PROCEEDINGS OF THE SECOND PACIFIC CHEMICAL ENGINEERING
CONGRESS, DENVER, AUGUST 1977, PP.66-73
111040 1977 ** FLUIDVIB
1NATCONV MASSTRAN
- HOWKINS;S.D. ZALTZMAN;S.
"THE USE OF ULTRASONIC ENERGY TO INCREASE THE RATE OF
HEMODIALYSIS IN ARTIFICIAL KIDNEY MACHINES"
PROCEEDINGS OF THE 19TH ANNUAL CONFERENCE OF ENGINEERING
IN MEDICINE AND BIOLOGY, 1966, P.202

116006	1966	**	FLUIDVIB	112058	1975	AICHEJ	FLUIDVIB
MASSTRAN				1FORCECONV	MASSTRAN		
KENNEDY;T.J. MERTON;R.L. MC COY;B.J.				MOLINIER;J. ANGELINO;H.			
"IMPROVING PERMEATION FLUX BY PULSED REVERSE OSMOSIS"				"MASS TRANSFER BETWEEN DROPS AND PULSATING LIQUID"			
CHEMICAL ENGINEERING SCIENCE, VOL.29, 1974, PP.1927-1931				INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.20,			
116021	1974	CES	FLUIDVIB	116016	1977	IJHMT	FLUIDVIB
MASSTRAN				MASSTRAN			
KRASUK;J.H. SMITH;J.M.				MORI;Y. IMABAYASHI;M. HIJIKATA;K.			
"MASS TRANSFER IN A PULSED COLUMN"				YOSHIDA;Y.			
CHEMICAL ENGINEERING SCIENCE, VOL.18, 1963, PP.591-598				"UNSTEADY HEAT AND MASS TRANSFER FROM SPHERES"			
116003	1963	CES	FLUIDVIB	INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.12,			
MASSTRAN				1969, PP.571-585			
LARSEN;P.S. JENSEN;J.W.				112079	1969	IJHMT	FLUIDVIB
"EVAPORATION RATES OF DROPS IN FORCED CONVECTION WITH				1FORCECONV	MASSTRAN		
SUPERPOSED TRANSVERSE SOUND FIELD"							
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.21,				PAINE;M.A. CARBONELL;R.G. WHITAKER;S.			
116022	1978	IJHMT	FLUIDVIB	"AXIAL DISPERSION AND MASS TRANSFER IN PULSED SYSTEMS"			
MASSTRAN	FLOBOCIL			AMERICAN INSTITUTE OF CHEMICAL ENGINEERS 69TH ANNUAL MEETING			
				CHICAGO, 1976, PAPER NO.111B			
LEMCOFF;N.O. JAMESON;G.J.				116017	1976	AICHE	FLUIDVIB
"SOLID-LIQUID MASS TRANSFER IN A RESONANT BUBBLE CONTACTOR"				MASSTRAN			
CHEMICAL ENGINEERING SCIENCE, VOL.30, 1975, PP.363-367				REMY;F.N. LEBOUCHE;M. MARTIN;M.			
116024	1975	CES	FLUIDVIB	"EFFECT OF PULSATIONS ON MASS TRANSFER AROUND A CYLINDER"			
MASSTRAN				LETTERS IN HEAT AND MASS TRANSFER, VOL.3, NO.1, 1976,			
LEMLICH;R. LEVY;M.R.				112051	1976	LHMT	FLUIDVIB
"THE EFFECT OF VIBRATION ON NATURAL CONVECTIVE MASS TRANSFER				MASSTRAN			
AMERICAN SOCIETY OF CHEMICAL ENGINEERS JOURNAL, VOL.7, 1961,				SERGEYEV;G.I. KOVALENKO;V.P.			
116002	1961	AICHEJ	FLUIDVIB	"HEAT AND MASS TRANSFER IN FALLING FILMS WITH LOW			
MASSTRAN				FREQUENCY PERTURBATIONS OF THE INTERFACE"			
				HEAT TRANSFER - SOVIET RESEARCH, VOL.13, NO.5, 1981,			
LOW;D.I.R. HODGINS;J.W.				116029	1981	HTSR	FLUIDVIB
"THE EFFECT OF ACOUSTIC TURBULENCE ON MASS TRANSFER AT A				MASSTRAN			
COLUMN WALL"				POOLBOIL			
THE CANADIAN JOURNAL OF CHEMICAL ENGINEERING, VOL.41, 1963,				CONDENSATION			
116004	1963	**	FLUIDVIB	SHVETSOV;V.V. ALEKSEEV;A.D. REDEKOP;V.I.			
MASSTRAN				"INVESTIGATION OF THE EFFICIENCY OF VIBRATING FLUIDIZED BED			
				DRIERS"			
LU;S.Z. NUNGE;R.J.				PHARMACEUTICAL CHEMISTRY JOURNAL, VOL.10, NO.2, PP.261-263.			
"DISPERSION WITH PULSATING TURBULENT FLOW"				116025	1976	**	FLUIDVIB
AMERICAN INSTITUTE OF CHEMICAL ENGINEERS JOURNAL, VOL.17,				MASSTRAN			
116013	1971	AICHEJ	FLUIDVIB				
MASSTRAN				THAYER;W.L. PAGEAU;L. SOURIRAJAN;S.			
MAGIERA;J. TAL;B.				"IMPROVEMENT OF MASS TRANSFER COEFFICIENT IN REVERSE OSMOSIS			
"INTENSITY OF LIQUID-LIQUID EXTRACTION IN THE ULTRASONIC				BY OSCILLATORY FLOW"			
FIELD IN COMPARISON WITH EXTRACTION WITH MECHANICAL MIXING				CANADIAN JOURNAL OF CHEMICAL ENGINEERING, VOL.53, 1975,			
OF PHASES"				116020	1975	**	FLUIDVIB
INZYNIERIA CHEMICZNA I PROCESOWA, VOL.1, NO.3, 1980, PP.523-536				MASSTRAN			
116026	1980	**	FLUIDVIB	VLASOV;E.V. GINEVSKIY;A.S. UKHANOVA;L.N.			
MASSTRAN	MECHAID			"HEAT AND MASS TRANSFER IN TURBULENT JETS SUBMERGED IN A			
				SOUND VIBRATION FIELD"			
MC MICHAEL;W.J. HELLUMS;J.D.				FIFTH NATIONAL CONFERENCE ON HEAT AND MASS TRANSFER, MINSK,			
"INTERPHASE MASS AND HEAT TRANSFER IN PULSATILE FLOW"				USSR, 1976, ABSTRACTED IN HEAT AND MASS TRANSFER SOURCEBOOK,			
AMERICAN INSTITUTE OF CHEMICAL ENGINEERS JOURNAL, VOL.21,				SCRIPTA PUBLISHING COMPANY, 1977, PP.328.			
1975, PP.743-752				112081	1976	**	FLUIDVIB
				1FORCECONV	MASSTRAN		

ELECTRIC FIELDS — NATURAL CONVECTION

- AHSMANN;G. KRONIG;R.
"THE INFLUENCE OF ELECTRIC FIELDS ON THE CONVECTIVE HEAT TRANSFER IN LIQUIDS"
APPLIED SCIENTIFIC RESEARCH A, VOL.2, 1950, PP.235-244;
VOL.3, 1951, PP.83-84
121005 1950 1951 **
ELECTROFIELD 1NATCONV
- ALADYIEV;I.T. YEFIMOV;V.A.
"INTENSIFICATION OF HEAT EXCHANGE IN ELECTRIC FIELDS"
INZHENERNO-FIZICHESKII ZHURNAL, VOL.6, NO.8, 1963, PP.125-132. DEFENSE DOCUMENTATION CENTER TRANSLATION FTD-TT-64-934/1 +2, 1965
121017 1963 ** ELECTROFIELD
1NATCONV
- ALLEN;P.
"ELECTRIC STRESS AND HEAT TRANSFER"
BRITISH JOURNAL OF APPLIED PHYSICS, VOL.10, 1959, PP.347-351
121007 1959 ** ELECTROFIELD
1NATCONV
- BAUGH;R.D.
"DESIGN AND OPERATION OF A CORONA WIND DRY COOLING SYSTEM"
TEXAS ENGINEERING EXPERIMENT STATION TECHNICAL BULLETIN, NO. 74-3, JULY 1974
121032 1974 ** ELECTROFIELD
1NATCONV
NHC
- CHOI;H.
"ELECTROHYDRODYNAMIC BOILING HEAT TRANSFER"
TUFTS UNIVERSITY, MECHANICAL ENGINEERING REPORT NO.61-12-1, DECEMBER 1961
123003 1961 ** ELECTROFIELD
POOLBOIL 1NATCONV
NHC
- CHOI;H.
"ELECTROHYDRODYNAMIC BOILING HEAT TRANSFER"
PH.D. THESIS IN MECHANICAL ENGINEERING, MASSACHUSETTS INSTITUTE OF TECHNOLOGY, 1962.
123016 1962 MIT ELECTROFIELD
POOLBOIL 1NATCONV
NHC
- CLARK;D.C. HONEYWELL;W.I.
"MAGNETOTHERMAL CONVECTION OF OXYGEN GAS IN NONUNIFORM MAGNETIC FIELDS"
AMERICAN INSTITUTE OF CHEMICAL ENGINEERS JOURNAL, VOL.23, 1977, PP.553-558
121043 1977 AICHEJ ELECTROFIELD
1NATCONV
- DE HAAN;H.I.
"THE INFLUENCE OF ELECTRIC FIELDS ON THE CONVECTIVE HEAT TRANSFER IN LIQUIDS II"
APPLIED SCIENTIFIC RESEARCH A, VOL.2, 1950, PP.85-88
121004 1950 ** ELECTROFIELD
1NATCONV
- DIETZ;P.W. MELCHER;J.R.
"FIELD CONTROLLED CHARGE AND HEAT TRANSFER INVOLVING MACROSCOPIC CHARGED PARTICLES IN LIQUIDS"
JOURNAL OF HEAT TRANSFER, VOL.97, 1975, PP.429-434
121034 1975 JHT ELECTROFIELD
1NATCONV
- EFIMOVA;S.A. KARUS;E.V. KUZNETSOV;O.L.
SIMKIN;E.M. SURGUCHEV;M.L. KHODAS;M.Y.
"ACOUSTIC EFFECT ON HEAT AND MASS TRANSFER IN ROCKS AND LIVING TISSUES"
ABSTRACT FROM THE FIFTH ALL-UNION HEAT AND MASS TRANSFER CONFERENCE, MINSK, USSR, PP.115-116
121031 1976 ** ELECTROFIELD
1NATCONV MASSTRAN
- FRANKE;M.E.
"EFFECT OF VORTICES INDUCED BY CORONA DISCHARGE ON FREE CONVECTION HEAT TRANSFER FROM A VERTICAL PLATE"
JOURNAL OF HEAT TRANSFER, VOL.91, 1969, PP.427-433
121013 1969 JHT ELECTROFIELD
- 1NATCONV
- FRANKE;M.E. HUTSON;K.E.
"EFFECTS OF CORONA DISCHARGE ON THE FREE-CONVECTION HEAT TRANSFER INSIDE A VERTICAL HOLLOW CYLINDER"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO. 82-WA/HT-20, 1982
121033 1982 ASME ELECTROFIELD
1NATCONV
- GANGWAR;M.C.
"EFFECT OF ELECTRIC FIELD ON HEAT TRANSFER FROM HORIZONTAL WIRE TO INSULATING LIQUIDS"
INDIAN JOURNAL OF PURE AND APPLIED PHYSICS, VOL.14, NO. 12, 1976, PP.1008-1011
121044 1976 ** ELECTROFIELD
1NATCONV
- GROSU;F.P. BOLOGA;M.K.
"EFFECT OF AN ELECTRICAL FIELD ON THE HEAT TRANSFER PROCESS IN GASES"
APPLIED ELECTRICAL PHENOMENA, 1968, NO.5, PP.343-349.
121011 1968 ** ELECTROFIELD
1NATCONV
- GROSU;F.P. BOLOGA;M.K.
"ELECTROCONVECTIVE PHENOMENA AND HEAT TRANSFER ENHANCEMENT"
ELECTROCHEMISTRY IN INDUSTRIAL PROCESSING AND BIOLOGY, 1977, NO.5, PP.46-63.
121018 1977 ** ELECTROFIELD
1NATCONV
- HOLMES;R.E. EASHAM;S.J.
"A DRY COOLING SYSTEM FOR STEAM POWER PLANTS"
PROCEEDINGS, 1971 INTERSOCIETY ENERGY CONVERSION ENGINEERING CONFERENCE, BOSTON, MASS., AUGUST 1971
PP.1218-1228
121027 1971 ** ELECTROFIELD
1NATCONV
NHC
- HOLMES;R.E. DEHKORDI;G.E.
"HEAT TRANSFER FROM A FINNED TUBE BUNDLE IN THE PRESENCE OF A CORONA DISCHARGE"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.76-WA/HT-40, 1976
121037 1976 ASME ELECTROFIELD
1NATCONV
- HONEYWELL;W.I. VEVAL;J.E.
"MAGNETICALLY ENHANCED THERMAL CONVECTION IN OXYGEN GAS"
AMERICAN INSTITUTE OF CHEMICAL ENGINEERS JOURNAL, VOL.24, 1978, PP.940-941.
121019 1978 AICHEJ ELECTROFIELD
1NATCONV
- KAJI;N. MORI;Y.H. TOCHITANI;Y.
KOMOTORI;K.
"AUGMENTATION OF DIRECT-CONTACT HEAT TRANSFER TO DROPS WITH AN INTERMITTENT ELECTRIC FIELD"
JOURNAL OF HEAT TRANSFER, VOL.102, 1980, PP.32-37.
121024 1980 JHT ELECTROFIELD
1NATCONV MASSTRAN
- KIKUCHI;K.
"ENHANCEMENT OF NATURAL CONVECTION HEAT TRANSFER BY THE EFFECT OF HIGH VOLTAGE DIRECT CURRENT ELECTRIC FIELD"
BULLETIN OF THE JAPANESE SOCIETY OF MECHANICAL ENGINEERS, VOL.22, NO.169, 1979, PP.938-943
121046 1979 BJSME ELECTROFIELD
1NATCONV
- KLAUZNICER;J. PLUTO;Z. STANISZEWSKI;B.
"LAMINAR DEVELOPED FREE CONVECTION IN CLOSED SPACE IN THE PRESENCE OF ELECTRIC FIELD"
ARCHIWUM TERMODYNAMIKI I SPALANIA, VOL.9, 1978, PP.453-463.
121023 1978 ** ELECTROFIELD
1NATCONV
- KONNO;H. KURIYAMA;M. ASANO;M.
HARADA;E.
"HEAT TRANSFER FROM CIRCULAR PIPES UNDER CORONA DISCHARGE"

- HEAT TRANSFER - JAPANESE RESEARCH, VOL. 7, NO. 4, 1978, PP. 35-43.
121025 1978 HTJR ELECTROFIELD
1NATCONV
- KONNO;H. KOHYA;T. TODA;M.
SAITO;T. KURIYAMA;M. HARADE;E.
"HEAT TRANSFER FROM A HORIZONTAL FINE WIRE AND CYLINDERS IN A CORONA WIND"
HEAT TRANSFER-JAPANESE RESEARCH, VOL.10, NO.2, 1981, PP.20-36
121039 1981 HTJR ELECTROFIELD
1NATCONV
- KRONIG;R. SCHWARZ;N.
"ON THE THEORY OF HEAT TRANSFER FROM A WIRE IN AN ELECTRIC FIELD"
APPLIED SCIENTIFIC RESEARCH A, VOL.1, 1949, PP.35-46
121003 1949 ** ELECTROFIELD
1NATCONV
- LYKODIS;P.S. YU;C.P.
"THE INFLUENCE OF ELECTROSTRICTIVE FORCES IN NATURAL THERMAL CONVECTION"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.6, 1963, PP.853-862
121008 1963 IJHMT ELECTROFIELD
1NATCONV
- MARCO;S.M. VIKOFF;H.R.
"EFFECT OF ELECTROSTATIC FIELDS ON FREE-CONVECTION HEAT TRANSFER"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO. 63-HT-9, 1963
121010 1963 ASME ELECTROFIELD
1NATCONV
- MITCHELL;A.S.
"HEAT TRANSFER BY A CORONA WIND HEAT EXCHANGER"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.76-WA/HT-43, 1978
121041 1978 ASME ELECTROFIELD
1NATCONV
NHC
- MIZUSHINA;T. UEDA;H. MATSUMOTO;T.
WAGA;K.
"EFFECT OF ELECTRICALLY INDUCED CONVECTION ON HEAT TRANSFER OF AIR FLOW IN AN ANNULUS"
JOURNAL OF CHEMICAL ENGINEERING JAPAN, VOL.9, NO.2, 1976, PP.97-102
122021 1976 ** ELECTROFIELD
1FORCECONV 1NATCONV
- MORRISON JR.;F.A.
"TRANSIENT HEAT AND MASS TRANSFER TO A DROP IN AN ELECTRIC FIELD"
JOURNAL OF HEAT TRANSFER, VOL.99, 1977, PP.269-273
121035 1976 JHT ELECTROFIELD
1NATCONV MASSTRAN
- MOTULEVICH;V.P. EROSHENKO;V.M. PETROV;YU.A.
"EFFECTS OF ELECTROSTATIC FIELDS ON CONVECTIVE HEAT TRANSFER"
PHYSICS OF HEAT EXCHANGE AND GAS DYNAMICS, CONSULTANTS BUREAU, 1963, PP.84-90.
124006 1963 ** ELECTROFIELD
1NATCONV
- NORMAN;P. FELS;I.
"ELECTRICALLY AUGMENTED COMBUSTION"
CHEMICAL ENGINEER, NO.339, 1978, PP.929-934
121045 1978 ** ELECTROFIELD
1NATCONV
- O'BRIEN;R.J. SHINE;A.J.
"SOME EFFECTS OF AN ELECTRIC FIELD ON HEAT TRANSFER FROM A VERTICAL PLATE IN FREE CONVECTION"
JOURNAL OF HEAT TRANSFER, VOL.89, 1967, PP.114-116
121012 1967 JHT ELECTROFIELD
1NATCONV
- PARMAR;D.S.
"DIELECTROPHORETIC HEAT TRANSFER IN LIQUIDS"
HEAT TRANSFER 1978, VOL.3, HEMISPHERE PUBLISHING COMPANY: WASHINGTON, D.C., 1978, PP.177-184
121029 1978 VIHTC ELECTROFIELD
1NATCONV
- PLAUDE;K.K. GRISLIS;V.Y. PUYATS;V.V.
MEIERS;A.E.
"HEAT TRANSFER IN NON-CONDUCTING LIQUIDS IN A HOMOGENEOUS ELECTROSTATIC FIELD"
IZVESTIA AKADEMIIA LATVIAN SSR SERII FIZISCHKI I TECHNICHKI NAUK, NO.6, 1968, PP.68-74
121015 1968 ** ELECTROFIELD
1NATCONV
- PUSHKOV;V.V. GORBIS;Z.R. BOLOGA;M.K.
"HEAT EXCHANGE OF GAS-DISPERSE SYSTEMS IN A UNIFORM ELECTRIC FIELD"
JOURNAL OF ENGINEERING PHYSICS, VOL.27, NO.2, 1974, PP.956-960
121047 1974 JEP ELECTROFIELD
1NATCONV
- QUANG;V.D.
"THE STABILITY OF CONVECTIVE MOTIONS IN A CYLINDER DUE TO ELECTRIC CURRENT"
FIFTH NATIONAL CONFERENCE ON HEAT AND MASS TRANSFER, MINSK, USSR, 1976, ABSTRACTED IN HEAT AND MASS TRANSFER SOURCEBOOK, SCRIPTA PUBLISHING COMPANY, 1977, P.329
121042 1976 ** ELECTROFIELD
1NATCONV
- REYNOLDS;B.L. HOLMES;R.C.
"HEAT TRANSFER BETWEEN A FINNED TUBE AND AIR IN THE PRESENCE OF A CORONA DISCHARGE"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO. 75-WA/HT-18, 1975
121021 1975 ASME ELECTROFIELD
1NATCONV 1FORCECONV
NHC
- REYNOLDS;B.L. HOLMES;R.E.
"HEAT TRANSFER IN A CORONA DISCHARGE"
MECHANICAL ENGINEERING, OCTOBER, 1976, PP.44-49
121022 1976 ME ELECTROFIELD
1NATCONV 1FORCECONV
- ROBINSON;M.
"CONVECTIVE HEAT TRANSFER AT THE SURFACE OF A CORONA ELECTRODE"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.13, 1970, PP.263-274
121014 1970 IJHMT ELECTROFIELD
1NATCONV
- SCHNURMANN;R. LARDGE;M.G.C.
"ENHANCED HEAT FLUX IN NONUNIFORM ELECTRIC FIELDS"
PROCEEDINGS OF THE ROYAL SOCIETY OF LONDON, SERIES A, VOL.334, 1973, PP.71-82
121001 1973 ** ELECTROFIELD
1NATCONV POOLBOIL
- SENFTLEBEN;H. BRAUN;W.
"DER EINFLUSS ELEKTRISCHER FELDER AUF DER WÄRMESTROM IN GASEN"
ZEITSCHRIFT FÜR PHYSIK, VOL.102, 1936, PP.480-506
121002 1936 ** ELECTROFIELD
1NATCONV
- SENFTLEBEN;H.
"DIE EINWIRKUNG ELEKTRISCHER UND MAGNETISCHER FELDER AUF DAS WÄRMELEITVERMÖGEN VON GASEN"
PHYSIKALISCHES ZEITSCHRIFT, VOL.32, NO.14, 1931, P.560
121028 1931 ** ELECTROFIELD
1NATCONV
- SOLOMATNIKOV;Y.K. MIKHAILOV;D.M. USMANOV;A.G.
"THE EFFECT OF FREQUENCY OF AN ELECTRIC FIELD ON NATURAL-CONVECTION HEAT TRANSFER"
ABSTRACT FROM THE SIXTH ALL-UNION HEAT AND MASS TRANSFER CONFERENCE, MINSK, USSR, 1980, HEAT TRANSFER - SOVIET

RESEARCH, VOL.13, NO.5, 1981, P.137

121030 1981 HTSR ELECTROFIELD
1NATCONV

SPARROW;E.M. CESS;R.D.

"THE EFFECT OF A MAGNETIC FIELD ON FREE CONVECTION HEAT TRANSFER"

INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.3, 1961, PP.267-274

121020 1961 IJHMT ELECTROFIELD
1NATCONV

TURNBULL;R.J.

"EFFECT OF A NON-UNIFORM ALTERNATING ELECTRIC FIELD ON THE THERMAL BOUNDARY LAYER NEAR A HEATED VERTICAL PLATE"
AMERICAN INSTITUTE OF CHEMICAL ENGINEERS PREPRINT 25F FOR THE 69TH NATIONAL MEETING, CINCINNATI, MAY 1971

121016 1971 AIChE ELECTROFIELD
1NATCONV

NHC

VELKOFF;H.R.

"AN EXPLORATORY INVESTIGATION OF THE EFFECTS OF IONIZATION ON THE FLOW AND HEAT TRANSFER WITH A DENSE GAS"

AERONAUTICAL SYSTEMS DIVISION REPORT ASD-TDR-63-642, 1963

121009 1963 ** ELECTROFIELD
1NATCONV

VELKOFF;H.R.

"ELECTROFLUIDMECHANICS: INVESTIGATION OF THE EFFECTS OF

ELECTROSTATIC FIELDS ON HEAT TRANSFER AND BOUNDARY LAYERS"

AERONAUTICAL SYSTEMS DIVISION, AIR FORCE SYSTEMS COMMAND, REPORT NO. ASD-TDR-62-650, SEPTEMBER 1962

121038 1962 ** ELECTROFIELD
1NATCONV

WINDISCHMANN;H.

"INVESTIGATION OF CORONA DISCHARGE COOLING (CDC) OF A HORIZONTAL PLATE UNDER FREE CONVECTION"

AMERICAN INSTITUTE OF CHEMICAL ENGINEERS SYMPOSIUM SERIES NO.138, VOL.70, 1974, PP.23-30

121026 1974 AIChES ELECTROFIELD
1NATCONV

YAE;A.

MCRI;Y.

HIJIKATA;K.

"HEAT TRANSFER AUGMENTATION AROUND A DOWNWARD-FACING FLAT PLATE BY NON-UNIFORM ELECTRIC FIELDS"

HEAT TRANSFER 1978, VOL.3, HEMISPHERE PUBLISHING COMPANY: WASHINGTON, D.C., 1978, PP.171-176

121040 1978 VIHTC ELECTROFIELD
1NATCONV

ZHELTUKHIN;V.A. SOLOMYATNIKOV;Y.K. MIKHAYLOV;D.M. USMANOV;A.G.

"EFFECT OF ELECTRIC FIELD FREQUENCY ON HEAT TRANSFER"
HEAT TRANSFER - SOVIET RESEARCH, VOL.10, NO.6, 1978, PP. 10-13

123023 1978 HTSR ELECTROFIELD
POCLBOIL 1NATCONV

ELECTRIC FIELDS — FORCED CONVECTION

- ADYRKHEAV;R.K. BOIKOV;G.P.
"CREATING A HEAT TRANSFER SURFACE IN A CHANNEL WITH THE HELP
OF A MAGNETIC FIELD"
IZVESTIYA AKADEMII NAUK SSSR, ENERGETIKA I TRANSPORT, NO.3,
1975, PP.159-161
122017 1975 ** ELECTROFIELD
1FORCECONV
- ARAJ;S. LEGVOLD;S.
"ELECTROCONVECTIONAL HEAT TRANSFER IN GASES"
JOURNAL OF CHEMICAL PHYSICS, VOL.29, NO.3, 1958, PP.531-536
121006 1958 ** ELECTROFIELD
POGLBOIL CONDENSATION 1FORCECONV
- BASHTOVY;V.G. ISAYEV;S.V. PAVLINOV;M.P.
POLEVNIKOV;V.K. FERTMAN;V.E.
"THERMAL CONVECTION OF A FERROMAGNETIC FLUID IN AN
INHOMOGENEOUS MAGNETIC FIELD"
HEAT TRANSFER - SOVIET RESEARCH, VOL.10, NO.6, 1976, PP.5-9
122030 1978 HTSR ELECTROFIELD
1FORCECONV
- BERGER;F. STACH;V.
"INCREASE OF HEAT TRANSFER IN A GAS-COOLED REACTOR"
PROCEEDINGS OF THE 2ND INTERNATIONAL CONFERENCE ON THE
PEACEFUL USES OF ATOMIC ENERGY, UNITED NATIONS, GENEVA,
VOL.7, 1956, PP.751-757
122001 1956 ** ELECTROFIELD
1FORCECONV
- BERGER;F. DERIAN;L.
"THE INFLUENCE OF A DIRECT ELECTRIC FIELD ON THE HEAT
TRANSFER TO COOLING CO2 AT HIGHER THAN ATMOSPHERIC PRESSURES
IN A NUCLEAR REACTOR"
PROCEEDINGS OF THE 3RD INTERNATIONAL CONFERENCE ON THE
PEACEFUL USES OF ATOMIC ENERGY, UNITED NATIONS, NEW YORK,
VOL.6, 1965, PP.355-361
122009 1965 ** ELECTROFIELD
1FORCECONV
- BERGER;F. DERIAN;L.
"THE INFLUENCE OF AN ELECTRIC FIELD ON THE HEAT TRANSFER
TO GASEOUS COOLANTS IN A NUCLEAR REACTOR"
ACTA TECHNICA CSAV, VOL.10, 1965, PP.312-335
122046 1965 ** ELECTROFIELD
1FORCECONV
- BOLOGA;M.K. GORBIS;Z.R. BERKOV;A.B.
PUSHKOV;V.V.
"ENHANCEMENT OF HEAT TRANSFER GAS-SOLID HEAT EXCHANGERS IN
ELECTRIC FIELD"
ABSTRACT FROM THE SIXTH ALL-UNION HEAT AND MASS TRANSFER
CONFERENCE, MINSK, USSR, 1980. HEAT TRANSFER - SOVIET
RESEARCH, VOL.14, NO.1, 1982, P.132
142038 1982 HTSR COMPOUNDTECH
1FORCECONV ADDFORGASES ELECTROFIELD
- BOLOGA;M.K. ZHELYASKOV;M.P. PUSHKOV;V.V.
"HEAT TRANSFER IN DISPERSE SYSTEMS AFFECTED BY AN ELECTRIC
FIELD"
ABSTRACT FROM THE FIFTH ALL-UNION HEAT AND MASS TRANSFER
CONFERENCE, MINSK, USSR, 1976, P.130
142035 1976 ** COMPOUNDTECH
1FORCECONV ADDFORGASES ELECTROFIELD
- CHANG;L.S. CARLESON;T.E. BERG;J.C.
"HEAT AND MASS TRANSFER TO A TRANSLATING DROP IN AN ELECTRIC
FIELD"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.25,
1982, PP.1023-1030
122035 1982 IJHMT ELECTROFIELD
1FORCECONV
- CHANG;L.S. BERG;J.C.
"FLUID FLOW AND TRANSFER BEHAVIOR OF A DROP TRANSLATING
IN AN ELECTRIC FIELD AT INTERMEDIATE REYNOLDS NUMBERS"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.26,
1983, PP.823-832
122043 1983 IJHMT ELECTROFIELD
1FORCECONV
- CLEMENTS;R.M.
- "THE EFFECT OF ELECTROHYDRODYNAMIC BOUNDARY LAYERS ON
HEAT TRANSFER FROM FLAME GASES"
COMBUSTION AND FLAME, VOL.29, NO.1, 1977, PP.33-41
122047 1977 ** ELECTROFIELD
1FORCECONV
- EDKIE;R.G.
"SOME EXPERIMENTAL INVESTIGATIONS OF HEATING EFFECTS CAUSED
BY NON-UNIFORM ELECTRIC FIELDS"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.76-WA/HT-
44, 1976
121036 1976 ASME ELECTROFIELD
1FORCECONV MASSTRAN
- ELSDON;R. SHEARER;C.J.
"HEAT TRANSFER IN A GAS FLUIDIZED BED ASSISTED BY AN
ALTERNATING ELECTRIC FIELD"
CHEMICAL ENGINEERING SCIENCE, VOL.32, 1977, PP.1147-1153
122026 1977 CES ELECTROFIELD
1FORCECONV ADDFORGASES
- GHETZLER;R. CHATO;J.C. CROWLEY;J.M.
"TURBULENT CONVECTIVE HEAT TRANSFER IN FORCED COOLED
UNDERGROUND ELECTRIC TRANSMISSION SYSTEMS"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.
62-WA/HT-56, 1982
122040 1982 ASME ELECTROFIELD
1FORCECONV
- GRIFFITHS;S.K. MORRISON, JR.;F.S.
"LOW PECLET NUMBER HEAT AND MASS TRANSFER FROM A DROP IN AN
ELECTRICAL FIELD"
JOURNAL OF HEAT TRANSFER, VOL.101, 1979, PP.484-486
122034 1979 JHT ELECTROFIELD
1FORCECONV
- GRIFFITHS;S.K. MORRISON, JR.;F.A.
"THE TRANSPORT FROM A DROP IN AN ALTERNATING ELECTRIC FIELD"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.26,
1983, PP.717-726
122042 1983 IJHMT ELECTROFIELD
1FORCECONV MASSTRAN
- IVANITSKY;G.K. ONATII;I.Z.
"TEMPERATURE DISTRIBUTION IN A THIN POLYMER FILM MOVING IN
THE ZONE OF CORONA DISCHARGE ACTION"
PROMYSHLENNAYA TEPLOTEKHNIKA, VOL.2, NO.1, 1980, PP.49-53
122039 1980 ** ELECTROFIELD
1FORCECONV NHC
- KAJI;N. MORI;Y.H. TOCHITANI;Y.
KOMOTORI;K.
"DIRECT-CONTACT HEAT TRANSFER TO DROPS IN AN INTERMITTENT
ELECTRIC FIELD"
HEAT TRANSFER 1978; VOL.3, HEMISPHERE PUBLISHING COMPANY,
WASHINGTON, D.C., 1978, PP.165-170
122027 1978 VIIHTC ELECTROFIELD
1FORCECONV
- KAJI;N. MORI;Y.H. TOCHITANI;Y.
KOMOTORI;K.
"ELECTROHYDRODYNAMIC AUGMENTATION OF DIRECT-CONTACT HEAT
TRANSFER TO DROPS PASSING THROUGH AN IMMISCIBLE DIELECTRIC
LIQUID: EFFECT OF FIELD-INDUCED SHUTTLE MIGRATION
BETWEEN PARALLEL PLANE ELECTRODES OF DROPS"
HEAT TRANSFER 1982, VOL.5, HEMISPHERE PUBLISHING COMPANY,
WASHINGTON, D.C., 1982, PP.231-236
122037 1982 VIIHTC ELECTROFIELD
1FORCECONV
- KULACKI;F.A. EORIAN;S.
"CATALYTIC COMBUSTION IN A TUBE WITH ELECTRICAL DISCHARGE:
PRELIMINARY MEASUREMENTS OF AUGMENTED REACTION RATES"
NATURE, VOL. 283, 1980, PP. 362-364.
122019 1980 ** ELECTROFIELD
1FORCECONV
- KULACKI;F.A. EORIAN;S. MARTIN;S.
"CORONA-DISCHARGE AUGMENTATION OF THE CATALYTIC COMBUSTION
OF HYDROGEN IN THE DIFFUSION CONTROLLED REGIME"
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, VOL.6, 1981,

- PP. 73-95.
122031 1900 ** ELECTROFIELD
1FORCECONV
- KULACKI;F.A.
"AUGMENTATION OF LOW REYNOLDS NUMBER FORCED CONVECTION CHANNEL FLOW BY ELECTROSTATIC DISCHARGE"
LOW REYNOLDS NUMBER FLOW HEAT EXCHANGERS, HEMISPHERE PUBLISHING CORPORATION, WASHINGTON, 1983, PP.753-782
122041 1983 ** ELECTROFIELD
1FORCECONV
- LAZARENKO;E.R. GROSU;F.P. ELOGA;M.K.
"CONVECTIVE HEAT TRANSFER ENHANCEMENT BY ELECTRIC FIELDS"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.18, 1975, PP.1433-1440
122020 1975 IJHMT ELECTROFIELD
1FORCECONV
- LEVY;E.K.
"EFFECTS OF ELECTROSTATIC FIELDS ON FORCED CONVECTION HEAT TRANSFER"
S.M. THESIS IN MECHANICAL ENGINEERING, MASSACHUSETTS INSTITUTE OF TECHNOLOGY, 1964
122008 1964 MIT ELECTROFIELD
1FORCECONV
NHC
- MAL'KOVSKIY;V.I. MURATOVA;T.M.
"EFFECT OF AN ELECTRIC FIELD ON FLOW AND HEAT EXCHANGE OF A DIELECTRIC FLUID IN AN ANNULAR CHANNEL"
HIGH TEMPERATURE, VOL.17, 1979, PP.654-660
122033 1979 ** ELECTROFIELD
1FORCECONV
- MALKOVSKIY;V.I. STEPANOVA;I.A.
"THE INFLUENCE OF ELECTRIC FIELD ON FLOW AND HEAT-TRANSFER OF A WEAKLY CONDUCTING LIQUID IN A CHANNEL WITH FLAT WALLS"
ELECTROCHEMISTRY IN INDUSTRIAL PROCESSING AND BIOLOGY, NO.3, 1981, PP.53-59
122044 1981 ** ELECTROFIELD
1FORCECONV
- MIN;K. CHAO;B.T.
"PARTICLE TRANSPORT AND HEAT TRANSFER IN GAS-SOLID SUSPENSION FLOW UNDER THE INFLUENCE OF AN ELECTRIC FIELD"
NUCLEAR SCIENCE AND ENGINEERING, VOL.26, 1966, PP.534-546
142001 1966 ** COMPOUNDTech
ADDFORGASES ELECTROFIELD 1FORCECONV
- MIZUSHINA;T. UEDA;H. MATSUMOTO;T.
WAGA;K.
"EFFECT OF ELECTRICALLY INDUCED CONVECTION ON HEAT TRANSFER OF AIR FLOW IN AN ANNULUS"
JOURNAL OF CHEMICAL ENGINEERING JAPAN, VOL.9, NO.2, 1976, PP.97-107
122021 1976 ** ELECTROFIELD
1FORCECONV 1NATCONV
- MIZUSHINA;T. OGINA;F. MATSUMOTO;T.
YOKOYAMA;M. KITANO;N.
"EFFECT OF RADIAL ELECTRIC FIELD ON HEAT AND MOMENTUM TRANSFERS IN DIELECTRIC ORGANIC LIQUID FOR LAMINAR FLOW THROUGH CONCENTRIC ANNULI"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL. 23, 1980, PP. 1105-1115.
122016 1980 IJHMT ELECTROFIELD
1FORCECONV
- MOSS;R.A. GREY;J.
"HEAT TRANSFER AUGMENTATION BY STEADY AND ALTERNATING ELECTRIC FIELDS"
PROCEEDINGS OF THE 1966 HEAT TRANSFER AND FLUID MECHANICS INSTITUTE, STANFORD UNIVERSITY PRESS, 1966, PP.210-235
122010 1966 HTFMI ELECTROFIELD
1FORCECONV
- NEWTON;D.C. ALLEN;P.H.G.
"SENFLEEN EFFECT IN INSULATING OIL UNDER UNIFORM ELECTRIC STRESS"
LETTERS IN HEAT AND MASS TRANSFER, VOL.4, NO.1, 1977,
- PP.9-16
122023 1977 LHMT ELECTROFIELD
1FORCECONV
- PORTER;J.E. POULTER;R.
"ELECTROTHERMAL CONVECTION EFFECTS WITH LAMINAR FLOW HEAT TRANSFER IN AN ANNULUS"
HEAT TRANSFER 1970, VOL.11, PAPER FC3.7, ELSEVIER PUBLISHING COMPANY, AMSTERDAM, 1970
122011 1970 IJHMT ELECTROFIELD
1FORCECONV
- REYNOLDS;B.L. HOLMES;R.E.
"HEAT TRANSFER BETWEEN A FINNED TUBE AND AIR IN THE PRESENCE OF A CORONA DISCHARGE"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO. 75-WA/HT-18, 1975
121021 1975 ASME ELECTROFIELD
1NATCONV 1FORCECONV
NHC
- REYNOLDS;B.L. HOLMES;R.E.
"HEAT TRANSFER IN A CORONA DISCHARGE"
MECHANICAL ENGINEERING, OCTOBER, 1976, PP.44-49
121022 1976 ME ELECTROFIELD
1NATCONV 1FORCECONV
- SADEK;S.F. FAX;R.G. HURWITZ;M.
"THE INFLUENCE OF ELECTRIC FIELD ON CONVECTIVE HEAT AND MASS TRANSFER FROM A HORIZONTAL SURFACE UNDER FORCED CONVECTION"
JOURNAL OF HEAT TRANSFER, VOL.94, 1972, PP.144-148
122002 1972 JHT ELECTROFIELD
1FORCECONV MASSTRAN
- SADEK;S.E. HURWITZ;M. FAX;R.G.
"ELECTRODYNAMICS AUGMENTATION OF HEAT AND MASS TRANSFER IN AIR UNDER FORCED CONVECTION"
AUGMENTATION OF CONVECTIVE HEAT AND MASS TRANSFER, AMERICAN SOCIETY OF MECHANICAL ENGINEERS, NEW YORK, 1970, PP.118-123
122014 1970 ACHMT ELECTROFIELD
1FORCECONV MASSTRAN
- SAVKAR;S.D.
"DIELECTROPHORETIC EFFECTS IN LAMINAR FORCED CONVECTION BETWEEN TWO PARALLEL PLATES"
THE PHYSICS OF FLUIDS, VOL.14, 1971, PP.2670-2679
122013 1971 ** ELECTROFIELD
1FORCECONV
- SCHMIDT;E. LEIDENFROST;W.
"DER EINFLUSS ELEKTRISCHER FELDER AUF DEN WÄRMETRANSPORT IN FLÜSSIGEN ELEKTRISCHEN NICHTLEITERN"
FORSCHUNG AN DEM GEBIET DES INGENIEURWESENS, VOL.19, 1953, PP.65-80
122005 1953 ** ELECTROFIELD
1FORCECONV
- SHANNON;R.L. POGSON;J.T.
"HEAT TRANSFER AUGMENTATION USING A CORONA DISCHARGE AIRJET"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.78-ENAS-2, 1978
122028 1978 ASME ELECTROFIELD
1FORCECONV
- SHISHKIN;A.V. DOMANSKIY;I.V.
"INTENSIFICATION OF HEAT EXCHANGE IN ROTOR FILM APPARATUS"
CHEMICAL AND PETROLEUM ENGINEERING, VOL.17, 1981, PP.298-299
122045 1981 CPE ELECTROFIELD
1FORCECONV
- SHUL'MAN;Z.P. KURUBKU;E.V.
"INTENSIFICATION OF CONVECTIVE HEAT TRANSFER OF WEAKLY CONDUCTING SUSPENSIONS WITH THE AID OF ELECTRIC FIELDS"
ELECTROCHEMISTRY IN INDUSTRIAL PROCESSING AND BIOLOGY, 1976, NO.6, PP.67-71.
122024 1976 ** ELECTROFIELD
1FORCECONV
- SHUL'MAN;Z.P.
"UTILIZATION OF ELECTRIC AND MAGNETIC FIELDS FOR CONTROL

OF HEAT AND MASS TRANSFER IN DISPERSED SYSTEMS
(SUSPENSIONS)"HEAT TRANSFER - SOVIET RESEARCH, VOL.14, NO.5, 1982,
PP.1-23122015 1982 HTSR ELECTROFIELD
1FORCECONV MASSTRAN

SKIMEOV;A.A. EOLGA;M.K.

"INTENSIFICATION OF HEAT TRANSFER BY THE ELECTRIC CURRENT
ACTION"

IZVESTIYA AKADEMIIA MINSK SSR, SERIYA FIZICHESKI

TEKHNIKH I MATERIALOV NAUK, NO.2, 1972, PP.79-

122003 1972 ** ELECTROFIELD
1FORCECONV

NHC

SOLOMATNIKOV;Y.K. MIKHAILOV;D.M. USMANOV;A.G.

"EFFECT OF THE LOW FREQUENCY (0.02-16HZ) ELECTRIC FIELD ON
CONVECTIVE HEAT TRANSFER"

TEPLO-MASSOBYEN KHIM. TEKHNIKA, NO.7, 1979, PP.43-45

122038 1979 ** ELECTROFIELD
1FORCECONV

SONOV;A.M. CHUNAYEV;S.V. NIKOLAYEV;G.I.

ROMANOV;P.G. MITEV;D.T. RASHKOVSKAYA;N.P.

"HEAT TRANSFER AND KINETICS OF DRYING IN SWIRLED

FLUIDIZED BEDS AND IN VARIABLE MAGNETIC FIELDS"

HEAT TRANSFER - SOVIET RESEARCH, VOL.6, NO.6, 1976,

PP.61-90

142041 1976 HTSR COMPCUNDTCH
ADDFORGASES SWIRLFLO ELECTROFIELD 1FORCECONV

STACH;V.

"INFLUENCE OF ELECTRIC FIELD ON THE COOLING GAS FLOW IN A
NUCLEAR REACTOR"

INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.5,

1962, PP.445-456

122006 1962 IJHMT ELECTROFIELD
1FORCECONV

VELKOFF;H.R.

"AN ANALYSIS OF THE EFFECT OF IONIZATION ON THE LAMINAR
FLOW OF A DENSE GAS IN A CHANNEL"

RESEARCH TECHNOLOGY DIVISION REPORT RTD-TDR-63-4009, 1963

122007 1963 ** ELECTROFIELD
1FORCECONV

VELKOFF;H.R. PEJACK;E.J. CHUANG;T.H.

"ELECTROSTATICALLY INDUCED SECONDARY FLOWS IN A CHANNEL"
AMERICAN INSTITUTE OF CHEMICAL ENGINEERS PREPRINT 25A FOR
THE 69TH NATIONAL MEETING, MAY 1971122012 1971 AICHE ELECTROFIELD
1FORCECONV

VELKOFF;H.R.

"THE EFFECTS OF IONIZATION ON THE FLOW AND HEAT TRANSFER OF
A DENSE GAS IN A TRANSVERSE ELECTRICAL FIELD"PROCEEDINGS OF THE 1964 HEAT TRANSFER AND FLUID MECHANICS
INSTITUTE, STANFORD UNIVERSITY PRESS, STANFORD, CALIFORNIA,
1964, PP.260-275122022 1964 HTFMI ELECTROFIELD
1FORCECONV

VELKOFF;H.R. GODFREY;R.

"LOW-VELOCITY HEAT TRANSFER TO A FLAT PLATE IN THE PRESENCE
OF A CORONA DISCHARGE IN AIR"

JOURNAL OF HEAT TRANSFER, VOL.101, 1979, PP.157-163

122029 1979 JHT ELECTROFIELD
1FORCECONV

WAHLERT;M.R. CROFT;H.C.

"THE ELECTROSTATIC EFFECT AND THE HEAT TRANSMISSION OF A
TUBE"

UNIVERSITY OF IOWA STUDIES IN ENGINEERING, BULLETIN 25, 1941

122004 1941 ** ELECTROFIELD
1FORCECONV

YABE;A.

MORI;Y.

HIJIKATA;K.

"EFFECTS OF NON-UNIFORM ELECTRIC FIELDS ON VAPORIZATION"

TRANSACTIONS OF THE JAPAN SOCIETY OF MECHANICAL ENGINEERS,

VOL.46, NO.406, 1980, PP.1166-1172

122036 1980 ** ELECTROFIELD
1FORCECONV

ZHELTUKHIN;V.A. SOLOMATNIKOV;Y.K. MIKHAILOV;D.M.

USMANOV;A.G.

"ON THE EFFECT OF THE ELECTRIC FIELD FREQUENCY ON HEAT
TRANSFER"ABSTRACT FROM THE FIFTH ALL-UNION HEAT AND MASS TRANSFER
CONFERENCE, MINSK, USSR, 1976, P.15122025 1976 ** ELECTROFIELD
1FORCECONV

ELECTRIC FIELDS — POOL BOILING

ARAJ,S. LEGVOLD,S.
"ELECTROCONVECTIONAL HEAT TRANSFER IN GASES"
JOURNAL OF CHEMICAL PHYSICS, VOL.29, NO.3, 1958, PP.531-536
121006 1958 ** ELECTROFIELD
POOLBOIL CONDENSATION IFORCECONV

ASCH,V. FOUST,A.S.
"THE EFFECT OF UNIFORM ELECTROSTATIC FIELDS ON BUBBLE
BEHAVIOR AND BOILING HEAT TRANSFER IN FREON-113"
HEAT TRANSFER 1970, VOL.6, PAPER B8.12, ELSEVIER PUBLISHING
COMPANY, AMSTERDAM, 1970
123022 1970 IVIHTC ELECTROFIELD
POOLBOIL

BASU,D.K.
"EFFECTS OF ELECTRIC FIELD ON BOILING HYSTERESIS IN CARBON
TETRACHLORIDE"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.16,
1973, PP.1322-1324
123011 1973 IJHMT ELECTROFIELD
POOLBOIL

BERGHMAN,S.J.
"ELECTROSTATIC FIELDS AND THE MAXIMUM HEAT FLUX"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.19, 1976,
PP.791-797
123019 1976 IJHMT ELECTROFIELD
POOLBOIL

ELACHOWIKZ,R.A. BROOKS,B.W. TAN,K.B.
"BOILING HEAT TRANSFER IN AN ELECTRICAL FIELD"
CHEMICAL ENGINEERING SCIENCE, VOL.35, 1980, PP.761-762
123026 1980 CES ELECTROFIELD
POOLBOIL

BLAIR,M. DROPKIN,D.
"INVESTIGATION OF THE EFFECTS OF ELECTRIC FIELDS ON BOILING
FROM A HORIZONTAL WIRE"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.
66-WA/HT-33, 1966
123004 1966 ASME ELECTROFIELD
POOLBOIL

BOCHIRGL,L. BONJOUR,E. WEIL,L.
"IMPROVEMENT OF HEAT TRANSFER BY THE APPLICATION OF AN
ELECTRIC FIELD TO BOILING LIQUIFIED GASES"
INTERNATIONAL INSTITUTE OF REFRIGERATION, COMMISSION 1,
EINDHOVEN, THE NETHERLANDS, JUNE 1960, ANNEXE 1960-1,
PP.251-256
123006 1960 ** ELECTROFIELD
POOLBOIL

BOLOGA,M.K. KOZHUKHAR,I.A. DIDKOVSKIY,A.B.
KLIMOV,S.M. MARDARSKIY,O.I.
"HEAT TRANSFER IN VAPORIZATION AND CONDENSATION IN AN
ELECTRIC FIELD"
HEAT TRANSFER - SOVIET RESEARCH, VOL.14, NO.4, 1982,
PP.131-140
123036 1982 HTSR ELECTROFIELD
POOLBOIL CONDENSATION

BONJOUR,E. VERDIER,J. WEIL,L.
"ELECTROCONVECTION EFFECTS ON HEAT TRANSFER"
CHEMICAL ENGINEERING PROGRESS, VOL.58, NO.7, 1962, PP.63-66
123002 1962 CEP ELECTROFIELD
POOLBOIL

CHOI,H.
"ELECTROHYDRODYNAMIC BOILING HEAT TRANSFER"
TUFTS UNIVERSITY, MECHANICAL ENGINEERING REPORT NO.61-12-1,
DECEMBER 1961
123003 1961 ** ELECTROFIELD
POOLBOIL INATCONV
NHC

CHOI,H.
"ELECTROHYDRODYNAMIC BOILING HEAT TRANSFER"
PH.D. THESIS IN MECHANICAL ENGINEERING, MASSACHUSETTS
INSTITUTE OF TECHNOLOGY, 1962.
123016 1962 MIT ELECTROFIELD
POOLBOIL INATCONV

NHC

CLOUPEAU,M.
"EVAPORATION OF CHARGED DROPLETS IN AN ELECTRIC FIELD"
ABSTRACT FROM THE SIXTH ALL-UNION HEAT AND MASS TRANSFER
CONFERENCE, MINSK, USSR, 1980, HEAT TRANSFER - SOVIET
RESEARCH, VOL.13, NO.6, 1981, P.137
123025 1981 HTSR ELECTROFIELD
POOLBOIL

DURFEE,R.L. MARKELS JR.,M.
"EFFECTS OF ELECTRICAL FIELDS ON BOILING HEAT TRANSFER"
ATOMIC ENERGY COMMISSION REPORT NYO-24-04-1, 1964
123009 1964 AEC ELECTROFIELD
POOLBOIL

ERSHOV,Y.G. KHRENOV,V.I.
"HEAT AND MASS TRANSFER INVOLVING PHASE CHANGES UNDER
CONSTANT ELECTRIC FIELD"
ABSTRACT FROM THE SIXTH ALL-UNION HEAT AND MASS TRANSFER
CONFERENCE, MINSK, USSR, 1980, P. 64.
123024 1980 ** ELECTROFIELD
POOLBOIL MASSTRAN

FIVEL,H.J.
"LIQUID METAL HEAT PIPE PERFORMANCE IN THE PRESENCE OF A
TRANSVERSE MAGNETIC FIELD"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.78-ENAS-20
1978
143001 1978 ASME COMPOUNDTECH
POOLBOIL SURFTENSION ELECTROFIELD

HART,F.X. MASSEY,J.S.
"ION WIND ENHANCEMENT OF EVAPORATION INTO A LAMINAR AIR
STREAM"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.23, 1980,
PP.363-371.
123007 1980 IJHMT ELECTROFIELD
POOLBOIL

JOHNSON,R.L.
"EFFECT OF AN ELECTRIC FIELD ON BOILING HEAT TRANSFER"
AMERICAN INSTITUTE OF AERONAUTICS AND ASTRONAUTICS, VOL.6,
NO.8, 1968, PP.1456-1460
123012 1968 AIAA ELECTROFIELD
POOLBOIL

JONES,T.B.
"AN ELECTROHYDRODYNAMIC HEAT PIPE"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.
72-WA/HT-35, 1972
125006 1972 ASME ELECTROFIELD
CONDENSATION POOLBOIL

JONES,T.B.
"ELECTROHYDRODYNAMIC HEAT PIPES"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.16,
1973, PP.1045-1048
123008 1973 IJHMT SURFTENSION
ELECTROFIELD POOLBOIL COMPOUNDTECH

JONES,T.E.
"ELECTROHYDRODYNAMICALLY COUPLED FILM BOILING"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.76-WA/HT-
48, 1976
123018 1976 ASME ELECTROFIELD
POOLBOIL

JONES,T.B. SCHAEFFER,R.C.
"ELECTROHYDRODYNAMICALLY COUPLED MINIMUM FILM BOILING IN
DIELECTRIC LIQUIDS"
AMERICAN INSTITUTE OF AERONAUTICS AND ASTRONAUTICS PAPER NO.
75-690, 1975
123020 1975 AIAA ELECTROFIELD
POOLBOIL

JONES,T.E. HALLOCK,K.R.
"SURFACE WAVE MODEL OF ELECTROHYDRODYNAMICALLY COUPLED
MINIMUM FILM BOILING"
JOURNAL OF ELECTROSTATICS, VOL.5, 1978, PP.273-284
123021 1978 ** ELECTROFIELD
POOLBOIL

KARPOVICH;I.N. CHURAEV;N.B. PANCHENKO;M.S.
 "EFFECT OF AN INHOMOGENOUS ELECTRIC FIELD ON THE EVAPORATION
 OF WATER FROM CAPILLARIES"
 HEAT TRANSFER"
 COLLOID JOURNAL, VOL.42, 1980, PP.528-532
 123028 1980 ** ELECTROFIELD
 POOLBOIL

KLIMOV;S.M. BOLOGA;M.K. SMIRNOV;G.F.
 "THE MECHANISM OF FORMATION AND SUPPRESSION OF DRY SPOTS
 DURING BOILING IN SLOTS IN THE PRESENCE OF AN ELECTRIC
 FIELD"
 ELECTROCHEMISTRY IN INDUSTRIAL PROCESSING AND BIOLOGY, NO.5,
 1980, PP.48-52
 123029 1980 ** ELECTROFIELD
 POOLBOIL

KLIMOV;S.M. BOLOGA;M.K. SMIRNOV;G.F.
 "THE MECHANISM AND INTERNAL CHARACTERISTICS OF THE BOILING
 IN HORIZONTAL SLOTS IN THE PRESENCE OF AN ELECTRIC FIELD"
 ELECTROCHEMISTRY IN INDUSTRIAL PROCESSING AND BIOLOGY, NO.1,
 1980, PP.63-68
 123031 1980 ** ELECTROFIELD
 POOLBOIL

KOKIN;A.S. POPOV;B.G.
 "EFFECT OF ELECTROSTATIC FIELD ON THE RATE OF EVAPORATION
 OF A CHARGED PARTICLE"
 FLUID MECHANICS - SOVIET RESEARCH, VOL.4, NO.6, 1975,
 PP.156-162
 123017 1975 ** ELECTROFIELD
 POOLBOIL

LCVENGUTH;R.F. HANESIAN;D.
 "BOILING HEAT TRANSFER IN THE PRESENCE OF NONUNIFORM, DIRECT
 CURRENT ELECTRIC FIELDS"
 INDUSTRIAL AND ENGINEERING CHEMISTRY FUNDAMENTALS, VOL.10,
 NO.4, 1971, PP.570-576
 123013 1971 ** ELECTROFIELD
 POOLBOIL

MARKELS JR.;M. DURFEE;R.L.
 "THE EFFECT OF APPLIED VOLTAGE ON BOILING HEAT TRANSFER"
 AMERICAN INSTITUTE OF CHEMICAL ENGINEERS JOURNAL, VOL.10,
 1964, PP.106-110
 123005 1965 AICHEJ ELECTROFIELD
 POOLBOIL

NICHOLS;C.R. SPURLOCK;J.M. MARKELS JR.;M.
 "EFFECTS OF ELECTRICAL FIELDS ON BOILING HEAT TRANSFER"
 ATOMIC ENERGY COMMISSION REPORT NYO-2404-5, DECEMBER 1964
 124004 1964 AEC ELECTROFIELD
 POOLBOIL

PANCHENKO;M.S.
 "IMPROVING DRYING EFFECTIVENESS WHEN USING NON-UNIFORM
 ELECTRIC AND MAGNETIC FIELDS"
 ELECTROCHEMISTRY IN INDUSTRIAL PROCESSING AND BIOLOGY, NO.4,
 1980, PP.47-53
 123030 1980 ** ELECTROFIELD
 POOLBOIL

PERKIN;R.M.
 "THE HEAT AND MASS TRANSFER CHARACTERISTICS OF BOILING POINT
 DRYING USING RADIO FREQUENCY AND MICROWAVE ELECTROMAGNETIC
 FIELDS"
 INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.23,
 1980, PP.687-695
 123027 1980 IJHMT ELECTROFIELD
 POOLBOIL MASSTRAN

RUTKOWSKI;J.
 "THE INFLUENCE OF ELECTRIC FIELD ON HEAT TRANSFER IN
 BOILING CRYOGENIC LIQUID"
 CRYOGENICS, VOL.17, 1977, PP.242-243
 123035 1977 ** ELECTROFIELD
 POOLBOIL

SCHNURMANN;R. LARDE;M.G.C.
 "ENHANCED HEAT FLUX IN NONUNIFORM ELECTRIC FIELDS"
 PROCEEDINGS OF THE ROYAL SOCIETY OF LONDON, SERIES A,
 VOL.334, 1973, PP.71-82
 121001 1973 ** ELECTROFIELD
 INATCONV POOLBOIL

SERDITOV;V.N. KLIMOV;S.M. BOLOGA;M.K.
 "THE ACTION OF ELECTRIC FIELD ON HEAT TRANSFER DURING
 BOILING IN VERTICAL SLOTS"
 ELECTROCHEMISTRY IN INDUSTRIAL PROCESSING AND BIOLOGY,
 NO.5, 1981, PP.69-71
 123033 1981 ** ELECTROFIELD
 POOLBOIL

WAGNER;L.Y. LYKOUDES;P.S.
 "MERCURY POOL BOILING UNDER THE INFLUENCE OF HORIZONTAL
 MAGNETIC FIELD"
 INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.24,
 1981, PP.635-643
 123034 1981 IJHMT ELECTROFIELD
 POOLBOIL

ZHELTUKHIN;V.A. SOLOMYATNIKOV;Y.K. MIKHAYLOV;D.M.
 USHANOV;A.G.
 "EFFECT OF ELECTRIC FIELD FREQUENCY ON HEAT TRANSFER"
 HEAT TRANSFER - SOVIET RESEARCH, VOL.10, NO.6, 1978, PP.
 10-13
 123023 1978 HTSR ELECTROFIELD
 POOLBOIL INATCONV

ZHORZHOIANI;A.G. SHEKRILADZE;I.G.
 "STUDY OF THE EFFECT OF AN ELECTROSTATIC FIELD ON HEAT
 TRANSFER WITH BOILING DIELECTRIC FLUIDS"
 HEAT TRANSFER-SOVIET RESEARCH, VOL.4, NO.4, 1972, PP.81-98
 123001 1972 IITGR ELECTROFIELD
 POOLBOIL

ELECTRIC FIELDS — FLOW BOILING

BOLOGA;M.K. SMIRNOV;G.F. KLIMOV;S.M.
 "HEAT TRANSFER TO DIELECTRICS BOILING IN HORIZONTAL SLOTS
 PLACED IN ELECTRIC FIELDS"
 HEAT TRANSFER - SOVIET RESEARCH, VOL.14, NO.2, 1962, PP.
 104-110
 124009 1982 HTSR ELECTROFIELD
 FLOBOIL

BOLOGA;M.K. VASILIEV;L.L. KOZUHAR;I.A.
 SKILEV;V.D.
 "EFFECTS OF ELECTRIC FIELDS ON HEAT-PIPE CHARACTERISTICS"
 JOURNAL OF ENGINEERING PHYSICS, VOL.36, 1979, PP.748-756
 125017 1979 JEP ELECTROFIELD
 CONDENSATION FLOBOIL

DURFEE;R.L. NICHOLS;C.R. SPURLOCK;J.M.
 MARKELS JR.;M.
 "BOILING HEAT TRANSFER OF ELECTRICAL FIELD (EHD)"
 ATOMIC ENERGY COMMISSION REPORT NYO-24-04-76, 1966
 124005 1966 AEC ELECTROFIELD
 FLOBOIL

DURFEE;R.L. NICHOLS;C.R.
 "EFFECTS OF ELECTRICAL FIELDS ON BOILING HEAT TRANSFER"
 ATOMIC ENERGY COMMISSION REPORT NYO-2404-3, 1964
 123014 1964 AEC ELECTROFIELD
 FLOBOIL

DURFEE;R.L. NICHOLS;C.R. MARKELS JR.;M.
 "EFFECTS OF ELECTRICAL FIELDS ON BOILING HEAT TRANSFER"
 ATOMIC ENERGY COMMISSION REPORT NYO-2404-4, 1964
 123015 1964 AEC ELECTROFIELD
 FLOBOIL
 NHC

DURFEE;R.L. NICHOLS;C.R.
 "EFFECTS OF ELECTRICAL FIELDS ON BOILING HEAT TRANSFER"
 ATOMIC ENERGY COMMISSION REPORT NYO-2404-2, 1964
 124007 1964 AEC ELECTROFIELD
 FLOBOIL

KOKIN;A.S. POPOV;B.G. BONDAR;A.V.
 "ELECTRICALLY-INDUCED EVAPORATION ENHANCEMENT OF CHARGED
 FUEL PARTICLES IN TURBINE MOTORS"
 SOVIET AERONAUTICS, VOL.21, NO.1, 1978, PP.101-104.
 124008 1978 ** ELECTROFIELD
 FLOBOIL

LAZARENKO;B.R. BABOI;N.F. BOLOGA;M.K.
 "HEAT TRANSFER INTENSIFICATION AND DEVELOPMENT OF A
 BOILING PROCESS IN AN ELECTRIC FIELD"
 HEAT AND MASS TRANSFER, VOL.2, NO.1, 1972, PP.210-215
 124001 1972 ** ELECTROFIELD
 FLOBOIL

MARKELS JR.;M. DURFEE;R.L.
 "STUDIES OF BOILING HEAT TRANSFER WITH ELECTRICAL FIELDS"
 AMERICAN INSTITUTE OF CHEMICAL ENGINEERS JOURNAL, VOL.11,
 1965, PP.716-723
 124002 1965 AICHEJ ELECTROFIELD
 FLOBOIL

MARKELS JR.;M. DURFEE;R.L.
 "BOILING HEAT TRANSFER WITH ELECTRICAL FIELDS"
 AMERICAN INSTITUTE OF CHEMICAL ENGINEERS PREPRINT 35 FOR
 THE 9TH NATIONAL HEAT TRANSFER CONFERENCE, 1967
 124003 1967 AICHE ELECTROFIELD
 FLOBOIL

ELECTRIC FIELDS — CONDENSATION

- ARAJ;S. LEGVOLD;S.
"ELECTROCONVECTIONAL HEAT TRANSFER IN GASES"
JOURNAL OF CHEMICAL PHYSICS, VOL.29, NO.3, 1956, PP.531-536
121006 1956 ** ELECTROFIELD
PCOLBOIL CONDENSATION 1FORCECONV
- BOLOGA;M.K. KOZHUKHAR;I.A. DIDKOVSIIY;A.B.
KLIMOV;S.M. MARDARSKIY;O.I.
"HEAT TRANSFER IN VAPORIZATION AND CONDENSATION IN AN
ELECTRIC FIELD"
HEAT TRANSFER - SOVIET RESEARCH, VOL.14, NO.4, 1962,
PP.131-140
123036 1962 HTSR ELECTROFIELD
POOLEOIL CONDENSATION
- BOLOGA;M.K. DIDKOVSIIY;A.B.
"ENHANCEMENT OF HEAT TRANSFER IN FILM CONDENSATION OF VAPORS
OF DIELECTRIC LIQUIDS BY SUPERPOSITION OF ELECTRIC FIELDS"
HEAT TRANSFER - SOVIET RESEARCH, VOL.9, NO.1, 1977,
PP.147-151
125011 1977 HTSR ELECTROFIELD
CONDENSATION
- BOLOGA;M.K. DIDKOVSIIY;A.B.
"HEAT TRANSFER ENHANCEMENT WITH FILM CONDENSATION AFFECTED
BY AN ELECTRIC FIELD"
ABSTRACT FROM THE FIFTH ALL-UNION HEAT AND MASS TRANSFER
CONFERENCE, MINSK, USSR, 1976, P.64
125014 1976 ** ELECTROFIELD
CONDENSATION
- BOLGA;M.K. VASILIEV;L.L. KOZUHAR;I.A.
SKILEV;V.D.
"EFFECTS OF ELECTRIC FIELDS ON HEAT-PIPE CHARACTERISTICS"
JOURNAL OF ENGINEERING PHYSICS, VOL.36, 1979, PP.748-756
125017 1979 JEP ELECTROFIELD
CONDENSATION FLOBOIL
- CHAUNG;T.H. VELKOFF;H.R.
"FROST FORMATION IN A NON-UNIFORM ELECTRIC FIELD"
AMERICAN INSTITUTE OF CHEMICAL ENGINEERS PREPRINT 48A FOR
THE 63RD ANNUAL MEETING, CHICAGO, ILLINOIS, NOVEMBER 1970
125008 1970 AICHE ELECTROFIELD
CONDENSATION
- CHOI;H.Y. REYNOLDS;J.M.
"STUDY OF ELECTROSTATIC FIELDS ON CONDENSING HEAT TRANSFER"
AIR FORCE FLIGHT DYNAMICS LABORATORY REPORT AFFDL-TR-65-51,
1966
125001 1966 ** ELECTROFIELD
CONDENSATION
- CHOI;H.Y.
"ELECTRODYNAMIC CONDENSATION HEAT TRANSFER"
JOURNAL OF HEAT TRANSFER, VOL.90, 1968, PP.96-102
125003 1967 ASME ELECTROFIELD
CONDENSATION
- DIDKOVSIIY;A.B. BOLOGA;M.K.
"INTENSIFICATION OF HEAT EXCHANGE UPON CONDENSATION OF A
VAPOR IN AN ELECTRIC FIELD"
HIGH TEMPERATURE, VOL.16, NO.3, PP.490-496.
125012 1978 ** ELECTROFIELD
CONDENSATION
- DIDKOVSIIY;A.B. BOLOGA;M.K.
"HEAT TRANSFER INVESTIGATION FOR CONDENSATION IN AN
ELECTRIC FIELD"
ELECTRO. ABRABOT MATERIALOV, VOL.3, 1971, PP.68-73
125009 1971 ** ELECTROFIELD
CONDENSATION
- DIDKOVSIIY;A.B. BOLOGA;M.K.
"VAPOUR FILM CONDENSATION HEAT TRANSFER AND HYDRODYNAMICS
UNDER THE INFLUENCE OF AN ELECTRIC FIELD"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL. 24,
1981, PP. 811-819.
125013 1981 IJHMT ELECTROFIELD
CONDENSATION
- DYAKOWSKI;T. TROMMELMANS;J. BERGHMANS;J.
"THEORETICAL INVESTIGATION OF THE EFFECT OF AN ELECTRIC
FIELD UPON VERTICAL PLATE CONDENSATION HEAT TRANSFER"
HEAT TRANSFER 1982, VOL.5, HEMISPHERE PUBLISHING COMPANY,
WASHINGTON, D.C., 1982, PP.65-70
125016 1982 VIIHTC ELECTROFIELD
CONDENSATION
- EL-ARINY;A.S. SABBAGH;J.A. OBEID;M.A.
"LAMINAR FILM CONDENSATION HEAT TRANSFER IN THE PRESENCE OF
ELECTRIC AND MAGNETIC FIELDS"
JOURNAL OF HEAT TRANSFER, VOL.97, 1975, PP.628-629
125010 1975 JHT ELECTROFIELD
CONDENSATION
- HOLMES;R.E. CHAPMAN;A.J.
"CONDENSATION OF FREON-114 IN THE PRESENCE OF A STRONG, NON-
UNIFORM ELECTROSTATIC FIELD"
JOURNAL OF HEAT TRANSFER, VOL.91, 1970, PP.616-620
125004 1970 JHT ELECTROFIELD
CONDENSATION
- HSU;Y.K.
"LAMINAR FILM CONDENSATION OVER A VERTICAL CIRCULAR CYLINDER
WITH EFFECT OF ELECTRICAL FIELD"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.78-WA/HT-
49, 1978
126005 1978 ASME ELECTROFIELD
CONDENSATION
- JONES;T.E.
"AN ELECTROHYDRODYNAMIC HEAT PIPE"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.
72-WA/HT-35, 1972
125006 1972 ASME ELECTROFIELD
CONDENSATION PCOLBOIL
- JONES;T.E.
"ELECTROHYDRODYNAMIC HEAT PIPES"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.16,
1973, PP.1045-1048
123008 1973 IJHMT SURFTENSION
ELECTROFIELD POOLBOIL CONDENSATION
- SETH;A.K. LEE;L.
"THE EFFECT OF AN ELECTRIC FIELD IN THE PRESENCE OF
NONCONDENSABLE GAS ON FILM CONDENSATION HEAT TRANSFER"
JOURNAL OF HEAT TRANSFER, VOL.96, 1974, PP.257-258
125007 1974 JHT ELECTROFIELD
CONDENSATION
- SINGER;R.M.
"LAMINAR FILM CONDENSATION IN THE PRESENCE OF AN ELECTRO-
MAGNETIC FIELD"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.
64-WA/HT-47, 1964
125005 1964 ASME ELECTROFIELD
CONDENSATION
- TROMMELMANS;J. BERGHMANS;J.
"INFLUENCE OF ELECTRICAL FIELDS ON CONDENSATION HEAT
TRANSFER ON A HORIZONTAL TUBE"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.
82-WA/HT-19, 1982
125018 1982 ASME ELECTROFIELD
CONDENSATION
- VELKOFF;H.R. MILLER;J.H.
"CONDENSATION OF VAPOR ON A VERTICAL PLATE WITH A
TRANSVERSE ELECTROSTATIC FIELD"
JOURNAL OF HEAT TRANSFER, VOL.67, 1965, PP.197-201
125002 1965 JHT ELECTROFIELD
CONDENSATION
- YABE;A. KIKUCHI;K. TAKETANI;T.
"AUGMENTATION OF CONDENSATION HEAT TRANSFER BY APPLYING
NON-UNIFORM ELECTRIC FIELDS"
HEAT TRANSFER 1982, VOL.5, HEMISPHERE PUBLISHING COMPANY,
WASHINGTON, D.C., 1982, PP.189-194
125015 1982 VIIHTC ELECTROFIELD
CONDENSATION

ELECTRIC FIELDS — MASS TRANSFER

- AUSTIN;L.J. BANCZYK;L. SAWISTOWSKI;H.
"EFFECT OF ELECTRIC FIELD ON MASS TRANSFER ACROSS A PLANE
INTERFACE"
CHEMICAL ENGINEERING SCIENCE, VOL.26, 1971, PP.2120-2121
126002 1971 ** ELECTROFIELD
MASSTRAN
- BOBKOV;A.F. SUVOROV;A.L.
"KINETICS OF THE FIELD EVAPORATION (PULSED REGIME)"
ZHURNAL EKSPERIMENTAL NOI I TEORETICHESKOI FIZIKI, VOL.79,
NO.10, 1980, PP.1376-1384
126013 1980 ** ELECTROFIELD
MASSTRAN
- EDKIE;R.G.
"SOME EXPERIMENTAL INVESTIGATIONS OF HEATING EFFECTS CAUSED
BY NON-UNIFORM ELECTRIC FIELDS"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.76-WA/HT-
44,1976
121036 1976 ASME ELECTROFIELD
1FORCECONV MASSTRAN
- EFIMOVA;S.A. KARUS;E.V. KUZNETSOV;O.L.
SIMKIN;E.M. SURGUCHEV;M.L. KHODAS;M.Y.
"ACOUSTIC EFFECT ON HEAT AND MASS TRANSFER IN ROCKS AND
LIVING TISSUES"
ABSTRACT FROM THE FIFTH ALL-UNION HEAT AND MASS TRANSFER
CONFERENCE, MINSK, USSR, PP.115-116
121031 1976 ** ELECTROFIELD
1NATCONV MASSTRAN
- ERSHOV;Y.G. KHRENOV;V.I.
"HEAT AND MASS TRANSFER INVOLVING PHASE CHANGES UNDER
CONSTANT ELECTRIC FIELD"
ABSTRACT FROM THE SIXTH ALL-UNION HEAT AND MASS TRANSFER
CONFERENCE, MINSK, USSR, 1980, P. 64.
123024 1980 ** ELECTROFIELD
POOLBOIL MASSTRAN
- GINZEURG;A.S.
"MODERN METHOD OF ENHANCEMENT OF HEAT AND MASS TRANSFER IN
DRYING OF CAPILLARY-POROUS MATERIALS"
ABSTRACT FROM THE SIXTH ALL-UNION HEAT AND MASS TRANSFER
CONFERENCE, MINSK, USSR, 1980, P. 115.
126008 1980 ** ELECTROFIELD
MASSTRAN
- GORDEYEV;Y.N. BOLOGA;M.K. SMIRNOV;G.F.
"ELECTRICAL PROCESSES ON FILM RECTIFICATION MASS TRANSFER"
ELECTROCHEMISTRY IN INDUSTRIAL PREPROCESSING AND BIOLOGY, NO.4,
1980, PP.42-44
126011 1980 ** ELECTROFIELD
MASSTRAN
- GRIFFITHS;S.K. MORRISON, JR.;F.A.
"THE TRANSPORT FROM A DROP IN AN ALTERNATING ELECTRIC FIELD"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.26,
1983, PP.717-726
122042 1983 IJHMT ELECTROFIELD
1FORCECONV MASSTRAN
- HARKER;J.H. AHMADZADEH;J.
"THE EFFECT OF ELECTRIC FIELDS ON MASS TRANSFER FROM FALLING
DROPS"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.17,
1974, PP.1219-1226
126001 1974 IJHMT ELECTROFIELD
MASSTRAN
- HARRIOTT;G.M. SAVILLE;D.A.
"ELECTRICALLY STIMULATED AEROSOL FILTRATION IN PACKED BEDS"
AMERICAN INSTITUTE OF CHEMICAL ENGINEERS JOURNAL, VOL.26,
1980, PP.398-402
126006 1980 AIChEJ ELECTROFIELD
MASSTRAN
- JOFFRE;G. PRUNET-FOCH;B. CLOUPEAU;M.
"THE EVAPORATION OF CHARGED DROPLETS IN AN ELECTRIC
FIELD"
HEAT TRANSFER-SOVIET RESEARCH, VOL.13, NO.6, 1981
126012 1981 HTSR ELECTROFIELD
MASSTRAN
- KAJI;N. MORI;Y.H. TOCHITANI;Y.
KOMOTORI;K.
"AUGMENTATION OF DIRECT-CONTACT HEAT TRANSFER TO DROPS WITH
AN INTERMITTENT ELECTRIC FIELD"
JOURNAL OF HEAT TRANSFER, VOL.102, 1980, PP.32-37.
121024 1980 JHT ELECTROFIELD
1NATCONV MASSTRAN
- MARDARSKY;O.I. KOZHUKHAR;I.A. BOLOGA;M.K.
"THERMOPHYSICAL CHARACTERISTICS OF TWO-PHASE ELECTRO-
HYDRODYNAMIC THERMOSIPHON"
ABSTRACT FROM THE SIXTH ALL-UNION HEAT AND MASS TRANSFER
CONFERENCE, MINSK, USSR, 1980, P. 69.
126007 1980 ** ELECTROFIELD
MASSTRAN
- MOHANTA;S. FAHIDY;T.Z.
"THE EFFECT OF A UNIFORM MAGNETIC FIELD ON MASS TRANSFER IN
ELECTROLYSIS"
CANADIAN JOURNAL OF CHEMICAL ENGINEERING, VOL.50, 1972,
PP.248-253
126003 1972 ** ELECTROFIELD
MASSTRAN
- MORRISON JR.;F.A.
"TRANSIENT HEAT AND MASS TRANSFER TO A DROP IN AN ELECTRIC
FIELD"
JOURNAL OF HEAT TRANSFER, VOL.99, 1977, PP.269-273
121035 1976 JHT ELECTROFIELD
1NATCONV MASSTRAN
- OGATA;S. TAN;K. NISHIJAMA;N.
CHANG;J.S.
"DEVELOPMENT OF IMPROVED BUBBLE DISPERSION TECHNIQUE BY AN
APPLIED ELECTRIC FIELD METHOD"
PAPER PRESENTED AT SECOND WORLD CONGRESS OF CHEMICAL
ENGINEERING AND WORLD CHEMICAL EXPOSITION, MONTREAL, CANADA,
OCTOBER 1981.
126010 1981 ** ELECTROFIELD
MASSTRAN
NHC
- PANASYUK;A.L. PANCHENKO;M.S. STAROV;V.M.
CHURAEV;N.V.
"INFLUENCE OF INHOMOGENEOUS ELECTRIC AND MAGNETIC FIELDS OF
INTERNAL MASS TRANSFER IN CAPILLARY POROUS BODIES"
JOURNAL OF ENGINEERING PHYSICS, VOL.35, 1978, PP.827-832.
126014 1978 JEP MASSTRAN
ELECTROFIELD
- PERKIN;R.M.
"THE HEAT AND MASS TRANSFER CHARACTERISTICS OF BOILING POINT
DRYING USING RADIO FREQUENCY AND MICROWAVE ELECTROMAGNETIC
FIELDS"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.23,
1980, PP.687-695
123027 1980 IJHMT ELECTROFIELD
POOLBOIL MASSTRAN
- SADEK;S.E. FAX;R.G. HURWITZ;M.
"THE INFLUENCE OF ELECTRIC FIELD ON CONVECTIVE HEAT AND MASS
TRANSFER FROM A HORIZONTAL SURFACE UNDER FORCED CONVECTION"
JOURNAL OF HEAT TRANSFER, VOL.94, 1972, PP.144-148
122002 1972 JHT ELECTROFIELD
1FORCECONV MASSTRAN
- SADEK;S.E. HURWITZ;M. FAX;R.G.
"ELECTRODYNAMICS AUGMENTATION OF HEAT AND MASS TRANSFER IN
AIR UNDER FORCED CONVECTION"
AUGMENTATION OF CONVECTIVE HEAT AND MASS TRANSFER,
AMERICAN SOCIETY OF MECHANICAL ENGINEERS, NEW YORK, 1970,
PP.118-123
122014 1970 ACHMT ELECTROFIELD
1FORCECONV MASSTRAN
- SHUL'MAN;Z.P.
"UTILIZATION OF ELECTRIC AND MAGNETIC FIELDS FOR CONTROL
OF HEAT AND MASS TRANSFER IN DISPERSED SYSTEMS
(SUSPENSIONS)"
HEAT TRANSFER - SOVIET RESEARCH, VOL.14, NO.5, 1982,
PP.1-23

122015
1FORCECCNV

1982
MASSTRAN

HTSR

ELECTROFIELD

SECOND EUROPEAN CONFERENCE ON MIXING, 1977, CAMBRIDGE,
ENGLAND, PAPER G3

126004
MASSTRAN
NHC

1977

**

ELECTROFIELD

SIMPSON;D.

LAWTON;J.

"ELECTROHYDRAULIC MIXING IN BUBBLE COLUMNS"

INJECTION OR SUCTION — NATURAL CONVECTION

AGARWAL;R.S.

"EFFECT OF SUCTION AND INJECTION ON THE NATURAL CONVECTION FLOW OF A SECOND ORDER FLUID FROM A VERTICAL POROUS FLAT PLATE"

INDIAN JOURNAL OF TECHNOLOGY, VOL.17, 1979, PP.299-303

131007 1979 ** INJECTORSUCT
1NATCONV

GOSE;E.E.

ACRIVOS;A.

PETERSON;E.E.

"HEAT TRANSFER TO LIQUIDS WITH GAS EVOLUTION AT THE INTERFACE"

PAPER PRESENTED AT THE AMERICAN INSTITUTE OF CHEMICAL ENGINEERS MEETING, MEXICO CITY, 1960

131003 1960 AICHE INJECTORSUCT
1NATCONV
NHC

KUSUDA;H.

MONDE;M.

UEHARA;H.

OTUBO;K.
"BUBBLE INFLUENCE ON BOILING HEAT TRANSFER IN A NARROW SPACE (IN A LOW HEAT-FLUX REGION)"

HEAT TRANSFER - JAPANESE RESEARCH, VOL.9, NO.2, 1980, PP. 49-60

131006 1960 HTJR INJECTORSUCT

1NATCONV

MIXON JR.; F.C.

CHON;W.Y.

BEATTY JR.;K.O.

"THE EFFECT OF ELECTROLYTIC GAS EVOLUTION ON HEAT TRANSFER" CHEMICAL ENGINEERING PROGRESS SYMPOSIUM SERIES, VOL.56,

NO.30, 1960, PP.75-81

131001 1960 CEPSS INJECTORSUCT
1NATCONV POOLEOIL

SIMS;G.E.

AKTURK;U.

EVANS-LUTTERCDT;K.O.

"SIMULATION OF POOL BOILING HEAT TRANSFER BY GAS INJECTION AT THE INTERFACE"

INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.6, 1963, PP.531-535

131002 1963 IJHMT INJECTORSUCT
1NATCONV

TSAI-TSE;K.

"LAMINAR FREE CONVECTION WITH SUCTION OR BLOWING ALONG A VERTICAL SURFACE"

AMERICAN INSTITUTE OF CHEMICAL ENGINEERS JOURNAL, VOL.28, 1982, PP.338-341

131005 1982 AICHEJ INJECTORSUCT
1NATCONV

INJECTION OR SUCTION — FORCED CONVECTION

AGGARWAL;J.K. HOLLINGSWORTH;M.A.
 "HEAT TRANSFER FOR TURBULENT FLOW WITH SUCTION IN A POROUS
 TUBE"
 INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.16,
 1973, PP.591-609
 132006 1973 IJHMT INJECTORSUCT
 1FORCECONV

BASSINA;I.A. DOROT;V.L. STRELETS;M.K.
 "CALCULATION OF FLUID FRICTION AND HEAT TRANSFER IN THE
 FLOW OF A MULTICOMPONENT CHEMICALLY NONEQUILIBRIUM GAS
 MIXTURE IN A SUPERSONIC NOZZLE WITH POROUS WALLS AND
 INJECTION"
 HIGH TEMPERATURE, VOL.19, NO.6, 1981, PP.866-870
 132020 1981 ** INJECTORSUCT
 1FORCECONV

BURGGRAF;F. HUFFMEIER;R.W.
 "FILM EFFECTIVENESS AND HEAT TRANSFER COEFFICIENT DOWN-
 STREAM OF A METERED INJECTION SLOT"
 AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.
 73-HT-31, 1973
 132001 1973 ASME INJECTORSUCT
 1FORCECONV

DOROT;V.L. STRELETS;M.K.
 "POROUS COOLING IN A SUPERSONIC TURBULENT BOUNDARY LAYER"
 INTERNATIONAL CHEMICAL ENGINEERING, VOL.14,NO.2,1974,PP.
 327-333
 132011 1974 ICE INJECTORSUCT
 1FORCECONV

DYBAN;E.P. LESNIKOVSKII;A.A.
 "COMPARATIVE EFFICIENCY OF SOME HEAT TRANSFER AUGMENTATION
 TECHNIQUES FOR TUBES IN LONGITUDINAL FLOWS"
 PROMYSHLENNAYA TEPLOTEKHNIKA, VOL.2, NO.3, 1981, PP.
 132015 1981 ** INJECTORSUCT
 1FORCECONV

ERIKSEN;V.L. GOLDSTEIN;R.J.
 "HEAT TRANSFER AND FILM COOLING FOLLOWING INJECTION THROUGH
 INCLINED CIRCULAR TUBES"
 JOURNAL OF HEAT TRANSFER, VOL.96, 1974, PP.239-245
 132002 1974 JHT INJECTORSUCT
 1FORCECONV

GOSE;E.E. PETERSON;E.E. ACRIVOS;A.
 "ON THE RATE OF HEAT TRANSFER IN LIQUIDS WITH GAS INJECTION
 THROUGH THE BOUNDARY LAYER"
 JOURNAL OF APPLIED PHYSICS, VOL.28, 1957, P.1509
 132010 1957 ** INJECTORSUCT
 1FORCECONV

KAYS;W.M.
 "HEAT TRANSFER TO THE TRANSPIRED TURBULENT BOUNDARY LAYER"
 AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.
 71-HT-44, 1971
 132003 1971 ASME INJECTORSUCT
 1FORCECONV

KINNEY;R.B.
 "FULLY DEVELOPED FRICTIONAL AND HEAT TRANSFER CHARACTERISTIC
 OF LAMINAR FLOW IN POROUS TUBES"
 INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.11,
 1968, PP.1393-1401
 132007 1968 IJHMT INJECTORSUCT
 1FORCECONV

KINNEY;R.B. SPARROW;E.M.
 "TURBULENT FLOW, HEAT TRANSFER AND MASS TRANSFER IN A TUBE
 WITH SURFACE SUCTION"
 JOURNAL OF HEAT TRANSFER, VOL.92, 1970, PP.117-125
 132013 1970 JHT INJECTORSUCT
 1FORCECONV MASSTRAN

KOLAR;A.K. SASTRI;V.M.K.
 "A NUMERICAL SOLUTION TO THE NATURAL CONVECTION PROBLEM WITH
 SUCTION AND BLOWING"
 FIFTH NATIONAL CONFERENCE ON HEAT AND MASS TRANSFER, MINSK,
 USSR, 1976, ABSTRACTED IN HEAT AND MASS TRANSFER SOURCEBOOK,
 SCRIPTA PUBLISHING COMPANY, 1977, P.336
 132012 1976 ** INJECTORSUCT

1FORCECONV

KUDIRKA;A.A.
 "TWO-PHASE HEAT TRANSFER WITH GAS INJECTION THROUGH A
 POROUS BOUNDARY SURFACE"
 ARGONNE NATIONAL LABORATORY REPORT ANL-6862, 1964
 132004 1964 ANL INJECTORSUCT
 1FORCECONV
 NHC

KUDIRKA;A.A. GROSH;R.J. MC FADDEN;P.W.
 "TWO-PHASE HEAT TRANSFER IN A TUBE WITH GAS INJECTION FROM
 THE WALLS"
 AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.
 65-HT-47, 1965
 132009 1965 ASME INJECTORSUCT
 1FORCECONV

KUTATELDAZE;S.S. VOLCHKOV;E.P. MIRONOV;B.P.
 RUBTZO;N.A. KHAERAKHPASHEVA;E.M.
 "TURBULENT HEAT AND MASS TRANSFER UNDER INTERACTION OF
 VARIOUS DISTURBING FACTORS"
 HEAT TRANSFER 1982, VOL.3, HEMISPHERE PUBLISHING CORPORA-
 TION, WASHINGTON, D.C., 1982, PP.269-274
 132016 1982 VIIHTC INJECTORSUCT
 1FORCECONV MASSTRAN

KUWAHARA;H. NAKAYAMA;W. MORI;Y.
 "HEAT TRANSFER FROM HEATED CYLINDERS WITH VARIOUS SURFACES
 IN AIR/WATER MIST FLOWS"
 HEAT TRANSFER - JAPANESE RESEARCH, VOL.10, NO.2, 1981,
 PP.1-9
 022326 1981 HTJR ROUGHSURF
 1FORCECONV INJECTORSUCT

LEONT'YEV;A.I. ROZHDESTVENSKIY;V. VINOGRADOV;Y.A.
 SYSCYEV;V.I.
 "AN EXPERIMENTAL INVESTIGATION OF HEAT TRANSFER FROM A
 FLAT POROUS SURFACE WITH ALTERNATING INJECTION AND SUCTION"
 HEAT TRANSFER - SOVIET RESEARCH, VOL.10, NO.5, 1978, PP.
 84-86
 132014 1978 HTSR INJECTORSUCT
 1FORCECONV

LEONTIEV;A.I.
 "TURBULENT BOUNDARY LAYERS WITH INJECTION AND SUCTION"
 HEAT TRANSFER 1978, VOL.6, HEMISPHERE PUBLISHING CORPORA-
 TION, WASHINGTON, D.C., 1978, PP.509-524
 132019 1978 VIIHTC INJECTORSUCT
 1FORCECONV

MAC MULLIN;R.B. MILLS;K.L. RUEHLEN;F.N.
 "ENHANCEMENT OF LIQUID FILM HEAT TRANSFER BY ELECTROLYTIC
 GAS EVOLUTION"
 JOURNAL OF THE ELECTROCHEMICAL SOCIETY, VOL.118, 1971,
 PP.1582-1587
 131004 1971 ** INJECTORSUCT
 1FORCECONV

MOFFAT;R.J. HEALZER;J.M. KAYS;W.M.
 "EXPERIMENTAL HEAT TRANSFER BEHAVIOR OF A TURBULENT BOUNDARY
 LAYER ON A ROUGH SURFACE WITH BLOWING"
 JOURNAL OF HEAT TRANSFER, VOL.100, 1978, PP.134-142
 142019 1970 JHT COMPOUNDTECH
 1FORCECONV ROUGHSURF INJECTORSUCT

PIMENTA;M.M. MOFFAT;R.J. KAYS;W.M.
 "THE STRUCTURE OF A BOUNDARY LAYER ON A ROUGH WALL WITH
 BLOWING AND HEAT TRANSFER"
 AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.78-HT-3,
 1978
 142009 1978 ASME COMPOUNDTECH
 1FORCECONV ROUGHSURF INJECTORSUCT

SABERSKY;R.H.
 "RAPPORT ON FORCED CONVECTION 6 (PROMOTERS, ROUGH SURFACES,
 WITH INJECTION)"
 HEAT TRANSFER 1974, SCRIPTA BOOK COMPANY, VOL.6, 1974,
 PP.180-184
 000123 1974 VIHTC LITSURVEY
 ROUGHSURF EXTENDED SURF DISPENHDEVICE INJECTORSUCT
 1FORCECONV

SOUNDALGEKAR;V.M. AKOLKAR;S.P.
 "FLOW OF GAS IN A VERTICAL POROUS CHANNEL"
 PROCEEDINGS FIFTH NATIONAL HEAT AND MASS TRANSFER
 CONFERENCE, HYDERBAD, INDIA, FEBRUARY 1980
 132016 1980 ** INJECTORSUCT
 1FORCECONV
 NHC

TAUSCHER;W.A. SPARROW;E.M. LLOYD;J.R.
 "AMPLIFICATION OF HEAT TRANSFER BY LOCAL INJECTION OF FLUID
 INTO A TURBULENT TUBE FLOW"
 INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.13,
 1970, PP.681-688
 132005 1970 IJHMT INJECTORSUCT
 1FORCECONV

WERLE;H.
 "ENHANCEMENT OF HEAT TRANSFER BETWEEN TWO HORIZONTAL LIQUID
 LAYERS BY GAS INJECTION AT THE BOTTOM"
 NUCLEAR TECHNOLOGY, VOL.59, NO.1, 1982, PP.160-164
 132017 1982 ** INJECTORSUCT
 1FORCECONV

WILSON;D.J. ERIKSEN;V.L. GOLDSTEIN;R.J.
 "PREDICTING HEAT TRANSFER COEFFICIENTS WITH FILM COOLING
 FROM A ROW HOLES"
 JOURNAL OF HEAT TRANSFER, VOL.96, 1974, PP.258-260
 132008 1974 JHT INJECTORSUCT
 1FORCECONV

INJECTION OR SUCTION — POOL BOILING

EANKOFF;S.G.
 "TAYLOR INSTABILITY ON AN EVAPORATING PLANE INTERFACE"
 AMERICAN INSTITUTE OF CHEMICAL ENGINEERS JOURNAL, VOL.7,
 1961, PP.485-487
 133001 1961 AICHEJ INJECTORSUCT
 POOLBOIL

MIXON JR.; F.O. CHON;W.Y. BEATTY JR.;K.O.
 "THE EFFECT OF ELECTROLYTIC GAS EVOLUTION ON HEAT TRANSFER"
 CHEMICAL ENGINEERING PROGRESS SYMPOSIUM SERIES, VOL.56,
 NO.30, 1960, PP.75-81
 131001 1960 CEPSS INJECTORSUCT
 INATCONV POOLBOIL

PAI;V.K. EANKOFF;S.G.
 "FILM BOILING OF NITROGEN WITH SUCTION ON AN ELECTRICALLY
 HEATED HORIZONTAL POROUS PLATE: EFFECT OF FLOW CONTROL
 ELEMENT POROSITY AND THICKNESS"
 AMERICAN INSTITUTE OF CHEMICAL ENGINEERS JOURNAL, VOL.11,
 1965, PP.65-69
 133003 1965 AICHEJ INJECTORSUCT
 POOLBOIL

PAI;V.K. EANKOFF;S.G.
 "FILM BOILING OF LIQUID NITROGEN FROM POROUS SURFACES WITH
 VAPOR SUCTION: EXPERIMENTAL EXTENSIONS"
 AMERICAN INSTITUTE OF CHEMICAL ENGINEERS JOURNAL, VOL.12,

1966, PP.727-736
 133005 1966 AICHEJ INJECTORSUCT
 POOLBOIL

RAIFF;R.J. WAYNER JR.;P.C.
 "EVAPORATION FROM A POROUS FLOW CONTROL ELEMENT ON A POROUS
 HEAT SOURCE"
 INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.16,
 1973, PP.1919-1930
 133006 1973 IJHMT INJECTORSUCT
 POOLBOIL

WAYNER JR.;P.C. KESTIN;A.S.
 "SUCTION NUCLEATE BOILING OF WATER"
 AMERICAN INSTITUTE OF CHEMICAL ENGINEERS JOURNAL, VOL.11,
 1965, PP.858-865
 133002 1965 AICHEJ INJECTORSUCT
 POOLBOIL

WAYNER JR.;P.C. EANKOFF;S.G.
 "FILM BOILING OF NITROGEN WITH SUCTION ON AN ELECTRICALLY
 HEATED POROUS PLATE"
 AMERICAN INSTITUTE OF CHEMICAL ENGINEERS JOURNAL, VOL.11,
 1965, PP.59-64
 133004 1965 AICHEJ INJECTORSUCT
 POOLBOIL

INJECTION OR SUCTION - FLOW BOILING

ZEIGARNICK;Y.A. LITVINOV;V.D.
"HEAT TRANSFER AND PRESSURE DROP IN SODIUM BOILING IN TUBES".
NUCLEAR SCIENCE AND ENGINEERING, VOL.73, 1980, PP.19-28

134001
FLOBOIL

1980
TREATSURF

**

INJECTORSUCT

INJECTION OR SUCTION — CONDENSATION

ANTONIR;I. TAMIR;A.
 "THE EFFECT OF SURFACE SUCTION ON CONDENSATION IN THE
 PRESENCE OF A NONCONDENSIBLE GAS"
 JOURNAL OF HEAT TRANSFER, VOL.99,1977,PP.496-499
 135006 1977 JHT INJECTORSUCT
 CONDENSATION

CHARY;S.P. SARMA;P.K.
 "CONDENSATION ON A ROTATING DISK WITH CONSTANT AXIAL
 SUCTION"
 JOURNAL OF HEAT TRANSFER, VOL.96, 1976, PP.662-664
 095012 1976 JHT MECHAID
 INJECTORSUCT CONDENSATION COMPCUNDTECH

FRANKEL;N.A. BANKOFF;S.G.
 "LAMINAR FILM CONDENSATION ON A POROUS HORIZONTAL TUBE WITH
 UNIFORM SUCTION VELOCITY"
 JOURNAL OF HEAT TRANSFER, VOL.87, 1965, PP.95-102
 135002 1965 JHT INJECTORSUCT
 CONDENSATION

JAIN;K.C. BANKOFF;S.G.
 "LAMINAR FILM CONDENSATION ON A POROUS VERTICAL WALL WITH
 UNIFORM SUCTION VELOCITY"
 JOURNAL OF HEAT TRANSFER, VOL.86,1964,PP.481-489
 135004 1969 JHT INJECTORSUCT
 CONDENSATION

LIENHARD;J. DHIR;V.
 "A SIMPLE ANALYSIS OF LAMINAR FILM CONDENSATION WITH
 SUCTION"
 JOURNAL OF HEAT TRANSFER, VOL.94, 1972, PP.334-336
 135005 1972 JHT INJECTORSUCT
 CONDENSATION

MURTY;K.N. SARMA;C.K. SARMA;P.K.
 "ANALYSIS OF LAMINAR FILM CONDENSATION ON A VERTICAL PLATE
 WITH VARIABLE SUCTION"
 HEAT TRANSFER 1974, VOL.III, 1974, THE JAPAN SOCIETY OF
 MECHANICAL ENGINEERS, TOKYO, PP.294-298
 135003 1974 VIHTC INJECTORSUCT
 CONDENSATION

INJECTION OR SUCTION — MASS TRANSFER

KINNEY;R.B. SPARROW;E.M.
 "TURBULENT FLOW, HEAT TRANSFER AND MASS TRANSFER IN A TUBE
 WITH SURFACE SUCTION"
 JOURNAL OF HEAT TRANSFER, VOL.92, 1970, PP.117-125
 132013 1970 JHT INJECTORSUCT
 1FORCECONV MASSTRAN

KUTATELDAZE;S.S. VOLCHKOV;E.P. MIRONOV;B.P.
 RUBTZOV;N.A. KHABAKHPASHEVA;E.M.
 "TURBULENT HEAT AND MASS TRANSFER UNDER INTERACTION OF
 VARIOUS DISTURBING FACTORS"
 HEAT TRANSFER 1982, VOL.3, HEMISPHERE PUBLISHING CORPORA-
 TION, WASHINGTON, D.C., 1982, PP.269-274
 132018 1982 VIIHHC INJECTORSUCT
 1FORCECONV MASSTRAN

JET IMPINGEMENT - FORCED CONVECTION

ALI KHAN;M.M. KASAGI;N. HIRATA;M.
NISHIWAKI;N.
"HEAT TRANSFER AUGMENTATION IN AN AXISYMMETRIC IMPINGING JET"
HEAT TRANSFER 1982, VOL.3, HEMISPHERE PUBLISHING COMPANY, WASHINGTON, D.C., 1982, PP.363-368
172005 1982 VIIHTC JETIMPINGE
1FORCECONV

AMANO;R.S. JENSEN;M.K.
"A NUMERICAL AND EXPERIMENTAL INVESTIGATION OF TURBULENT HEAT TRANSPORT OF AN AXISYMMETRIC JET IMPINGING ON A FLAT PLATE"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS, PAPER NO. 82-WA/HT-55, 1982
172009 1982 ASME JETIMPINGE
1FORCECONV

BOGDAN;Z.
"COOLING OF A ROTATING DISK BY MEANS OF AN IMPINGING JET"
HEAT TRANSFER 1982, VOL.3, HEMISPHERE PUBLISHING COMPANY, WASHINGTON, D.C., 1982, PP.333-336
172002 1982 VIIHTC JETIMPINGE
1FORCECONV

BROSNER;M.A. INCROPERA;F.P.
"AUGMENTATION OF HEAT TRANSFER FROM A CYLINDER TO A LIQUID IN CROSSFLOW DUE TO GAS IMPINGEMENT"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO. 83-HT-41, 1983
172013 1983 ASME JETIMPINGE
1FORCECONV

GALANT;S. MARTINEZ;G.
"CROSS FLOW INFLUENCE UPON IMPINGEMENT CONVECTIVE HEAT TRANSFER IN CIRCULAR ARRAYS OF JETS: A GENERAL CORRELATION"
HEAT TRANSFER 1982, VOL.3, HEMISPHERE PUBLISHING COMPANY, WASHINGTON, D.C., 1982, PP.343-347
172003 1982 VIIHTC JETIMPINGE
1FORCECONV

GOLDSTEIN;R.J. BEHBAHANI;A.I.
"IMPINGEMENT OF A CIRCULAR JET WITH AND WITHOUT CROSS FLOW"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.25, 1982, PP.1377-1382
172010 1982 IJHMT JETIMPINGE
1FORCECONV

HOLLWORTH;B.R. WILSON;S.I.
"ENTRAINMENT EFFECTS ON IMPINGEMENT HEAT TRANSFER. PART I: MEASUREMENTS OF HEATED JET VELOCITY AND TEMPERATURE DISTRIBUTIONS, AND RECOVERY TEMPERATURES ON TARGET SURFACE"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO. 83-HT-8, 1983
172012 1983 ASME JETIMPINGE
1FORCECONV

HRZAK;P.
"HEAT TRANSFER AND FLOW CHARACTERISTICS OF JETS IMPINGING ON A CONCAVE HEMISPHERICAL PLATE"
HEAT TRANSFER 1982, VOL.3, HEMISPHERE PUBLISHING COMPANY, WASHINGTON, D.C., 1982, PP.357-362
172004 1982 VIIHTC JETIMPINGE
1FORCECONV

KHAN;M.M.A. KASAGI;N. HIRATA;M.
NISHIWAKI;N.

"HEAT TRANSFER AUGMENTATION IN AN AXISYMMETRIC IMPINGING JET"
HEAT TRANSFER 1982, VOL.3, HEMISPHERE PUBLISHING CORPORATION, WASHINGTON, D.C., 1982, PP.363-368
172011 1982 VIIHTC JETIMPINGE
1FORCECONV

NEWBY;D.C. HOWARD;J.R.
"THE DEVELOPMENT OF A NOVEL FLUIDIZED BED GAS-TO-GAS HEAT EXCHANGER"
JOURNAL OF HEAT RECOVERY SYSTEMS, VOL.3, NO.1, 1983, PP.35-40
082172 1983 ** ADDFORGASES
1FORCECONV JETIMPINGE

NYDICK;S.E. LAZARIDIS;L.J.
"A JET IMPINGEMENT RECUPERATOR FOR GAS-FIRED RADIANT TUBE FURNACES"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS, PAPER NO. 73-WA/HT-6, 1973
172008 1973 ASME JETIMPINGE
1FORCECONV

OBOT;N.T. DOUGLAS;W.J.M. MUJUMDAR;A.S.
"EFFECT OF SEMI-CONFINEMENT ON IMPINGEMENT HEAT TRANSFER"
HEAT TRANSFER 1982, VOL.3, HEMISPHERE PUBLISHING COMPANY, WASHINGTON, D.C., 1982, PP.395-400
172006 1982 VIIHTC JETIMPINGE
1FORCECONV

SHIMIZU;A. ECHIGO;R. HASEGAWA;S.
"IMPINGING JET HEAT TRANSFER WITH GAS SOLID SUSPENSION MEDIUM"
ADVANCES IN ENHANCED HEAT TRANSFER, AMERICAN SOCIETY OF MECHANICAL ENGINEERS, NEW YORK, 1979, PP.155-160.
082136 1979 ASME ADDFORGASES
1FORCECONV ADDFORLIQUIDS JETIMPINGE

SHIMIZU;A. ECHIGO;R. HASEGAWA;S.
"IMPINGING JET HEAT TRANSFER OF GAS-SOLID SUSPENSION MEDIUM"
TRANSACTIONS OF THE JAPAN SOCIETY OF MECHANICAL ENGINEERS, VOL.46, NO.409, 1980, PP.1760-1765
172001 1980 ** JETIMPINGE
1FORCECONV ADDFORGASES ADDFORLIQUIDS

VASANOVA;L.K. KARPENKO;A.I. LARINOV;I.D.
SAFRONOV;S.I. LINETSKIY;V.N. CHIZEVSKAYA;Y.M.
CHULANOV;A.G.
"CERTAIN PROBLEMS OF THE UTILIZATION OF DISPERSED MEDIA IN HEAT EXCHANGERS"
HEAT TRANSFER - SOVIET RESEARCH, VOL.8, NO.5, 1976, PP. 25-29
142039 1976 HTSR COMPOUNDTECH
JETIMPINGE ADDFORLIQUIDS 1FORCECONV

WARD;J. MAHMOOD;M.
"HEAT TRANSFER FROM A TURBULENT, SKIRLING, IMPINGING JET"
HEAT TRANSFER 1982, VOL.3, HEMISPHERE PUBLISHING COMPANY, WASHINGTON, D.C., 1982, PP.401-407
172007 1982 VIIHTC JETIMPINGE
1FORCECONV

YOSHIDA;H. MORI;Y. HIJIKATA;K.
"HEAT TRANSFER IN TWO-PHASE JET IMPINGEMENT"
TRANSACTIONS OF THE JAPAN SOCIETY OF MECHANICAL ENGINEERS, VOL.49, NO.445, SERIES B, 1983, PP.1-8
172014 1983 ** JETIMPINGE
1FORCECONV

JET IMPINGEMENT - POOL BOILING

ABROSIMCV;A.I. PARAMONOV;A.A.
 "CRITICAL HEAT FLUXES ON THE BOTTOM OF A DEAD-END CHAMBER
 WITH AN IMPINGING CIRCULAR WATER JET"
 HIGH TEMPERATURE, VOL.20, NO.2, 1982, PP.274-277
 173003 1982 ** JETIMPINGE
 POOLBOIL

OCHI;T. NAKANISHI;S. ISHIGAI;S.

"COOLING OF A HOT PLATE WITH AN IMPINGING CIRCULAR WATER
 JET"
 PROCEEDINGS OF CONDENSED PAPERS OF THE THIRD MULTI-PHASE
 FLOW AND HEAT TRANSFER SYMPOSIUM-WORKSHOP, MIAMI BEACH,
 FLORIDA, APRIL 1983, PP.428-429
 173002 1983 ** JETIMPINGE
 POOLBOIL

JET IMPINGEMENT - FLOW BOILING

MUKHERJEE;D. SINHA;M.P. PUROHIT;N.K.
MITRA;A.K.
"TWO PHASE HEAT TRANSFER IN HORIZONTAL TUBE WITH JET MIXING"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.23,

1980, PP.1351-1357
174001 1980
FLOBOIL

IJHMT

JETIMPINGE

JET IMPINGEMENT - MASS TRANSFER

KATAOKA;K. KOMAI;T. NAKAMURA;G.
"ENHANCEMENT MECHANISM OF MASS TRANSFER IN A TURBULENT
IMPINGING JET FOR HIGH SCHMIDT NUMBERS"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.
78-HT-5, 1978
176002 1978 ASME JETIMPINGE
MASSTRAN

TOJO;K. NARUKO;N. MIYANAMI;K.
"OXYGEN TRANSFER AND LIQUID MIXING CHARACTERISTICS OF
PLUNGING JET REACTORS"
CHEMICAL ENGINEERING JOURNAL, VOL.25, NO.1, 1982, PP.
107-109
176001 1982 ** JETIMPINGE
MASSTRAN

COMPOUND ENHANCEMENT - NATURAL CONVECTION

ANTONISHIN;N.V. NIKITIN;V.S. MARTYNOV;O.G.
 PUCHKOV;G.F.
 "HEAT AND MASS TRANSFER IN A VIBRO-ROTATIONAL BED"
 ABSTRACT FROM THE FIFTH ALL-UNION HEAT AND MASS TRANSFER
 CONFERENCE, MINSK, USSR, 1976, P.128
 141001 1976 ** COMPOUNDTECH
 1NATCONV MECHAID SURFVIB
 NHC

KRYUKOV;Y.V. BOYKOV;G.P.
 "AUGMENTATION OF HEAT TRANSFER IN AN ACOUSTIC FIELD"
 HEAT TRANSFER - SOVIET RESEARCH, VOL.5, NO.1, 1973, PP.26-28
 112072 1973 HTSR FLUIDVIB
 1FORCECONV EXTENDED SURF COMPOUNDTECH 1NATCONV

COMPOUND ENHANCEMENT — FORCED CONVECTION

- EARTEL;W.J. GENETTI;W.E. GRIMMETT;E.S.
"HEAT TRANSFER FROM A HORIZONTAL DISCONTINUOUS FINNED TUBE
IN A FLUIDIZED BED"
AIChE SYMPOSIUM SERIES NO. 116, VOL.67, 1971, PP.85-89
082094 1971 AIChE ADDFORGASES
EXTENDED SURF 1FORCECONV COMPOUNDTECH
- BARTEL;W.J. GENETTI;W.E.
"HEAT TRANSFER FROM A HORIZONTAL BUNDLE OF BARE AND FINNED
TUBES IN AN AIR FLUIDIZED BED"
AIChE SYMPOSIUM SERIES NO. 128, VOL.69, 1973, PP.85-93
082095 1973 AIChE ADDFORGASES
EXTENDED SURF 1FORCECONV COMPOUNDTECH
- BENTLEY;J.M. SNYDER;T.K. GLICKSMAN;L.R.
ROHSENOW;W.M.
"AN EXPERIMENTAL AND ANALYTICAL STUDY OF A UNIQUE WET/DRY
SURFACE FOR COOLING TOWERS"
JOURNAL OF HEAT TRANSFER, VOL.100, 1978, PP.520-526
142010 1978 JHT COMPOUNDTECH
1FORCECONV EXTENDED SURF ADDFORGASES
- BERGLES;A.E. LEE;R.A. MIKIC;B.E.
"HEAT TRANSFER IN ROUGH TUBES WITH TAPE-GENERATED SWIRL
FLOW"
JOURNAL OF HEAT TRANSFER, VOL.91, 1969, PP.443-445
142002 1969 JHT COMPOUNDTECH
SWIRLFLO ROUGHSURF 1FORCECONV
- BHATTACHARYA;S.C. HARRISON;D.
"HEAT TRANSFER IN A PULSED FLUIDIZED BED"
TRANSACTIONS OF THE INSTITUTION OF CHEMICAL ENGINEERS,
VOL.54, 1976, PP.281-286
082024 1976 ** ADDFORGASES
FLUIDVIB 1FORCECONV COMPOUNDTECH
- BOLOGA;M.K. GORBIS;Z.R. BERKOV;A.B.
PUSHKOV;V.V.
"ENHANCEMENT OF HEAT TRANSFER GAS-SOLID HEAT EXCHANGERS IN
ELECTRIC FIELD"
ABSTRACT FROM THE SIXTH ALL-UNION HEAT AND MASS TRANSFER
CONFERENCE, MINSK, USSR, 1980. HEAT TRANSFER - SOVIET
RESEARCH, VOL.14, NO.1, 1982, P.132
142038 1982 HTSR COMPOUNDTECH
1FORCECONV ADDFORGASES ELECTROFIELD
- BOLOGA;M.K. ZHELYASKOV;M.P. PUSHKOV;V.V.
"HEAT TRANSFER IN DISPERSE SYSTEMS AFFECTED BY AN ELECTRIC
FIELD"
ABSTRACT FROM THE FIFTH ALL-UNION HEAT AND MASS TRANSFER
CONFERENCE, MINSK, USSR, 1976, P.130
142035 1976 ** COMPOUNDTECH
1FORCECONV ADDFORGASES ELECTROFIELD
- CHANG;M.H.
"CURVED TUBE HEAT TRANSFER IN LAMINAR, PULSATILE, FULLY-
DEVELOPED FLOWS"
PH.D. DISSERTATION, UNIVERSITY OF ILLINOIS AT CHICAGO
CIRCLE, 1977
162009 1977 ** COILED TUBE
1FORCECONV FLUIDVIB COMPOUNDTECH
NHC
- CHEN;J.C. WITHERS;J.G.
"AN EXPERIMENTAL STUDY OF HEAT TRANSFER FROM PLAIN AND
FINNED TUBES IN FLUIDIZED BEDS"
AMERICAN INSTITUTE OF CHEMICAL ENGINEERS PAPER NO.34 FOR
FIFTEENTH NATIONAL HEAT TRANSFER CONFERENCE, SAN FRANCISCO,
1975
142007 1975 AIChE COMPOUNDTECH
1FORCECONV EXTENDED SURF ADDFORGASES
- COLE;W.E. SUO;M.
"WASTE HEAT RECOVERY: WASTE HEAT RECOVERY WITH FLUIDIZED
BED"
- CHEMICAL ENGINEERING PROGRESS, DECEMBER 1979, PP. 38-42.
142024 1978 CEP COMPOUNDTECH
1FORCECONV ADDFORGASES EXTENDED SURF
- FODEMSKI;T. STANISZEWSKI;B.
"EXPERIMENTAL INVESTIGATION OF INSERTION MODELS INTENSIFYING
HEAT EXCHANGE"
ELULETYN INFORMACYJNY, INSTYTUTU TECHNIKI CIEPLNEJ,
POLITECHNIKA WARSZAWSKA, NO.51, 1978, PP.13-40
142026 1978 ** COMPOUNDTECH
SWIRLFLO MECHAID 1FORCECONV
- FUJIKAKE;K.
"STUDY ON AIR COOLED HEAT EXCHANGER WITH CORRUGATED FIN
SURFACES (1ST REPORT, FIN EFFICIENCY AND OVERALL EFFICIENCY
OF STRAIGHT FIN SURFACES)"
BULLETIN OF THE JAPANESE SOCIETY OF MECHANICAL ENGINEERS,
VOL.19, NO.138, 1976, PP.1522-1529
032207 1976 ** EXTENDED SURF
1FORCECONV ROUGHSURF COMPOUNDTECH
- GAL'TSOV;V.Y. KOROTAEV;V.M.
"INVESTIGATION OF HEAT TRANSFER FROM A GAS STREAM IN THE
FLUID-FLOW CHANNEL OF A CORRUGATED PLATE SPIRAL HEAT
EXCHANGER"
CHEMICAL AND PETROLEUM ENGINEERING, VOL.12, NO.2, 1976,
PP.131-133
142016 1976 ** COMPOUNDTECH
1FORCECONV ROUGHSURF COILED TUBE
- GENETTI;W.E. YURICH;S.P. VANDERHOOF;D.W.
"HEAT TRANSFER FROM VERTICAL FINNED TUBE BUNDLES IN A
FLUIDIZED BED"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.80-HT-118,
1980.
142025 1980 ASME COMPOUNDTECH
1FORCECONV EXTENDED SURF ADDFORGASES
- GENETTI;W.E. EVERLY;D.
"HEAT TRANSFER FROM SPIRAL TUBING IN AN AIR-FLUIDIZED
BED"
HEAT TRANSFER ENGINEERING, VOL.3, NOS.3-4, 1982, PP.60-65
142036 1982 HTE COMPOUNDTECH
1FORCECONV COILED TUBE ROUGHSURF ADDFORGASES
- GENTRY;C.C. SMALL;W.M.
"HEAT TRANSFER AND POWER EXPENDITURE FOR AGITATOR VESSELS
HAVING BARE AND FINNED, VERTICAL TUBE BAFFLES"
HEAT TRANSFER 1978, VOL.4, HEMISPHERE PUBLISHING COMPANY:
WASHINGTON, D.C., 1978, PP.13-18
142013 1978 VIIHTC MECHAID
EXTENDED SURF COMPOUNDTECH 1FORCECONV
- GORBIS;Z.R. BELYI;L.M.
"AERODYNAMICS AND HEAT TRANSFER OF A COUNTERCURRENT GASEOUS
SUSPENSION FLOWING ONTO DECELERATING SPIRAL INSERTS"
HEAT TRANSFER-SOVIET RESEARCH, VOL.2, NO.3, 1970, PP.40-46
142003 1970 HTSR COMPOUNDTECH
ADDFORGASES SWIRLFLO 1FORCECONV
- GREWAL;N.S. SAXENA;S.C.
"EFFECT OF SURFACE ROUGHNESS ON HEAT TRANSFER FROM
HORIZONTAL IMMERSED TUBES IN A FLUIDIZED BED"
JOURNAL OF HEAT TRANSFER, VOL.101, NO.3, 1979, PP.1-7.
142023 1979 JHT COMPOUNDTECH
1FORCECONV ROUGHSURF ADDFORGASES
- GREWAL;N.S. SAXENA;S.C.
"HEAT TRANSFER BETWEEN A HORIZONTAL TUBE AND A GAS-SOLID
FLUIDIZED BED"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL. 23,
1980, PP. 1505-1519.
142021 1980 IJHMT COMPOUNDTECH
1FORCECONV EXTENDED SURF ADDFORGASES
- KREID;D.K. JOHNSON;B.M. FALETTI;D.W.
"APPROXIMATE ANALYSIS OF HEAT TRANSFER FROM THE SURFACE
OF A WET FINNED HEAT EXCHANGER"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.78-WA-26,
1978
142018 1978 ASME COMPOUNDTECH
1FORCECONV EXTENDED SURF ADDFORGASES

- KRYUKOV;Y.V. BOYKOV;G.P.
"AUGMENTATION OF HEAT TRANSFER IN AN ACOUSTIC FIELD"
HEAT TRANSFER - SOVIET RESEARCH, VOL.5, NO.1, 1973, PP.26-28
112072 1973 HTSR FLUIDVIB
1FORCECONV EXTENDED SURF COMPOUNDTECH 1NATCONV
- LEIDENFROST;W. KORENIC;B.
"ANALYSIS OF EVAPORATIVE COOLING AND ENHANCEMENT OF
CONDENSER EFFICIENCY AND COEFFICIENT OF PERFORMANCE"
WAERME- UND STOFFUEBERTRAGUNG, VOL.12, 1979, PP.5-23.
142022 1979 ** COMPOUNDTECH
1FORCECONV EXTENDED SURF ADDFORGASES
- MANAEV;V.V. NOSOV;V.S. SYROMYATNIKOV;N.I.
"EFFECT OF CONCENTRATION OF SOLID PARTICLES IN AIR ON HEAT
TRANSFER DURING PULSATING FLOW"
IZV. VYSSH. UCHEBN. ZAVED. ENER., NO.4, 1976, PP.95-98
082076 1976 ** ADDFORGASES
1FORCECONV FLUIDVIB COMPOUNDTECH
- MASLIYAH;J.H. NANDAKUMAR;K.
"FLUID FLOW AND HEAT TRANSFER IN INTERNALLY FINNED HELICAL
COILS"
CANADIAN JOURNAL OF CHEMICAL ENGINEERING, VOL.55, 1977,
PP.27-36
162091 1977 ** COILED TUBE
EXTENDED SURF COMPOUNDTECH 1FORCECONV
- MIGAI;V.K. SHEMAYAKIN;V.N. MATSNEV;V.V.
ZHITOMIRSKAYA;I.V.
"HEAT TRANSFER ON STAGGERED SMOOTH- AND FINNED-TUBE BUNDLES
IN FLUIDIZED-BED FURNACES AND IN MODEL BEDS"
HEAT TRANSFER - SOVIET RESEARCH, VOL.14, NO.3, 1982, PP.
113-118
142027 1982 HTSR COMPOUNDTECH
1FORCECONV EXTENDED SURF ADDFORGASES
- MIN;K. CHAO;B.T.
"PARTICLE TRANSPORT AND HEAT TRANSFER IN GAS-SOLID
SUSPENSION FLOW UNDER THE INFLUENCE OF AN ELECTRIC FIELD"
NUCLEAR SCIENCE AND ENGINEERING, VOL.26, 1966, PP.534-546
142001 1966 ** COMPOUNDTECH
ADDFORGASES ELECTROFIELD 1FORCECONV
- MIYAZAKI;H.
"COMBINED FREE AND FORCED CONVECTIVE HEAT TRANSFER AND FLUID
FLOW IN A ROTATING CURVED CIRCULAR TUBE"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.14,
1971, PP.1295-1309
162110 1971 IJHMT COILED TUBE
1FORCECONV MECHAID COMPOUNDTECH
- MOFFAT;R.J. HEALZER;J.M. KAYS;W.M.
"EXPERIMENTAL HEAT TRANSFER BEHAVIOR OF A TURBULENT BOUNDARY
LAYER ON A ROUGH SURFACE WITH BLOWING"
JOURNAL OF HEAT TRANSFER, VOL.100, 1978, PP.134-142
142019 1978 JHT COMPOUNDTECH
1FORCECONV ROUGH SURF INJECTORSUCT
- NATUSCH;H.J. BLENKE;H.
"WAERMEUEBERTRAGUNG AN RIPPENROHREN IN GAS-FLIESSBETTEN"
VERFAHRENSTECHNIK, VOL.7, 1973, PP.293-296
142004 1973 ** COMPOUNDTECH
EXTENDED SURF ADDFORGASES 1FORCECONV
- NATUSCH;H.J. BLENKE;H.
"ZUR WAERMEUEBERTRAGUNG AN HORIZONTAL EN LAENGSRIPPENROHREN
IN GAS-FLIESSBETTEN"
VERFAHRENSTECHNIK, VOL.8, 1974, PP.287-293
142014 1974 ** COMPOUNDTECH
EXTENDED SURF ADDFORGASES 1FORCECONV
- PALCHENOK;G.I. TAMARIN;A.I. ZABRODSKIY;S.S.
"HEAT EXCHANGE BETWEEN HORIZONTAL FINNED TUBE AND A
FLUIDIZED BED OF COARSE PARTICLES"
ABSTRACT FROM THE SIXTH ALL-UNION HEAT AND MASS TRANSFER
CONFERENCE, MINSK, USSR, 1980, HEAT TRANSFER - SOVIET
RESEARCH, VOL.14, NO.1, 1982, P.134
142028 1982 HTSR COMPOUNDTECH
1FORCECONV EXTENDED SURF ADDFORGASES
- PIMENTA;M.M. MOFFAT;R.J. KAYS;W.M.
"THE STRUCTURE OF A BOUNDARY LAYER ON A ROUGH WALL WITH
BLOWING AND HEAT TRANSFER"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.78-HT-3,
1978
142009 1978 ASME COMPOUNDTECH
1FORCECONV ROUGH SURF INJECTORSUCT
- PRIEBE;S.J.
"HEAT TRANSFER FROM A HORIZONTAL BUNDLE OF FINNED TUBES TO
AN AIR FLUIDIZED BED"
PH.D. THESIS, MONTANA STATE UNIVERSITY, 1975
142005 1975 ** COMPOUNDTECH
ADDFORGASES EXTENDED SURF 1FORCECONV
- RABADI;M.J. CHOW;J.C.F. SIMON;H.A.
"HEAT TRANSFER IN CURVED TUBES WITH PULSATING FLOW"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.25,
NO.2, 1982, PP.195-203
142034 1982 IJHMT COMPOUNDTECH
1FORCECONV COILED TUBE FLUIDVIB
- RABADI;N.J. SIMON;H.A. CHOW;J.C.F.
"HEAT TRANSFER IN CURVED TUBES WITH PULSATING FLOW"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS, PAPER NO.
81-WA/HT-7, 1981.
142031 1981 ASME COMPOUNDTECH
1FORCECONV COILED TUBE FLUIDVIB
- RABADI;N.J.
"PULSATING FLOW AND HEAT TRANSFER IN CURVED TUBES"
DISSERTATION, UNIVERSITY OF ILLINOIS AT CHICAGO CIRCLE, 1980
142032 1980 ** COMPOUNDTECH
FLUIDVIB COILED TUBE 1FORCECONV
- RABADI;N.J. SIMON;H.A. CHOW;J.C.F.
"NUMERICAL SOLUTION FOR FULLY DEVELOPED, LAMINAR PULSATING
FLOW IN CURVED TUBES"
NUMERICAL HEAT TRANSFER, VOL.3, NO.2, 1980, PP.225-239
142033 1980 ** COMPOUNDTECH
FLUIDVIB COILED TUBE 1FORCECONV
- RADHAKRISHNAMACHARYA;G. MAITI;M.K.
"HEAT TRANSFER TO PULSATILE FLOW IN A POROUS CHANNEL"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.20,
1977, PP.171-173
142020 1977 IJHMT COMPOUNDTECH
1FORCECONV
- RAO;S.R.M. RAO;M.R.
"FLOW AND HEAT TRANSFER STUDIES IN AN AIR-FLUIDIZED BED WITH
A SPIRALLY GROOVED INTERNAL TUBE"
PROCEEDINGS FIFTH NATIONAL HEAT AND MASS TRANSFER
CONFERENCE, HYDERABAD, INDIA, FEBRUARY 1980, PP.283-291
142029 1980 ** COMPOUNDTECH
ROUGH SURF ADDFORGASES 1FORCECONV
- REPUKHOV;V.M. BCGACHUK-KOZAHUK;K.A.
"EFFECT OF SWIRL ON THE MAIN AIR FLOW ON THE EFFICIENCY OF
FILM COOLING IN AXISYMMETRIC AIR FLOW PAST A ROTATING
CYLINDER"
HEAT TRANSFER - SOVIET RESEARCH, VOL.9, NO.2, 1977,
PP.100-104
142015 1977 HTSR COMPOUNDTECH
1FORCECONV SWIRLFLC MECHAID
- RIGGS;G. GIBERT;H. COUDERC;J.P.
"MECHANICAL AGITATION OF GAS FLUIDISED BEDS. II: THERMAL
STUDY IN THE PERMANENT REGIME"
CHEMICAL ENGINEERING JOURNAL, VOL.13, NO.2, 1977, PP.
111-118
142042 1977 CEJ COMPOUNDTECH
ADDFORGASES MECHAID 1FORCECONV
- SAFONOV;A.I. KRYLOV;V.S.
"RELATIONSHIPS GOVERNING HEAT AND MASS TRANSFER IN
ROTATING BUBBLING BEDS"
HEAT TRANSFER - SOVIET RESEARCH, VOL.8, NO.6, 1976,
PP.42-47
142040 1976 HTSR COMPOUNDTECH
ADDFORLIQUIDS MECHAID 1FORCECONV

SAVERY;C.W. BHATTI;M.S.
 "THEORY OF AUGMENTED HEAT TRANSFER OVER FINNED SURFACES BY FOGGING"
 WORKSHOP ON DRY COOLING SYSTEMS, FRANKLIN INSTITUTE RESEARCH
 LABORATORIES, PHILADELPHIA, JULY 1975, PP.11-1 - 11-2
 142008 1975 ** COMPOUNDTECH
 1FORCECONV EXTENDED SURF ADDFORGASES

SIMON;H.A. CHANG;M.H. CHOW;J.C.F.
 "HEAT TRANSFER IN CURVED TUBES WITH PULSATILE, FULLY
 DEVELOPED, LAMINAR FLOWS"
 JOURNAL OF HEAT TRANSFER, VOL.99, 1977, PP.590-595
 162093 1977 JHT COILED TUBE
 FLUIDVIB 1FORCECONV COMPOUNDTECH

SGMOV;A.M. CHUNAYEV;S.V. NIKOLAYEV;G.I.
 ROMANKOV;P.G. MITEV;D.T. RASHKOVSKAYA;N.E.
 "HEAT TRANSFER AND KINETICS OF DRYING IN SWIRLED
 FLUIDIZED BEDS AND IN VARIABLE MAGNETIC FIELDS"
 HEAT TRANSFER - SOVIET RESEARCH, VOL.6, NO.6, 1976,
 PP.61-90
 142041 1976 HTSR COMPOUNDTECH
 ADDFORGASES SWIRLFLO ELECTROFIELD 1FORCECONV

TREE;D.R. GOLDSCHMIDT;V.W. GARRETT;R.W.
 KACH;E.
 "EFFECT OF WATER SPRAYS ON HEAT TRANSFER OF A FIN AND TUBE
 HEAT EXCHANGER"
 HEAT TRANSFER 1978, VOL.4, HEMISPHERE PUBLISHING COMPANY:
 WASHINGTON, D.C., 1978, PP.339-344
 142012 1978 VIIHTC COMPOUNDTECH
 1FORCECONV ADDFORGASES EXTENDED SURF

VAN ROOYEN;R.S. KRCEGER;D.G.
 "LAMINAR FLOW HEAT TRANSFER IN INTERNALLY FINNED TUBES WITH
 TWISTED-TAPE INSERTS"
 HEAT TRANSFER 1978, VOL.2, HEMISPHERE PUBLISHING
 CORPORATION, 1978, PP.577-581
 142006 1978 VIIHTC COMPOUNDTECH
 1FORCECONV SWIRLFLO EXTENDED SURF

VASANOVA;L.K. KARPENKO;A.I. LARINOV;I.D.
 SAFRONOV;S.I. LINETSKIY;V.N. CHIZEVSKAYA;Y.M.
 CHULANOV;A.G.
 "CERTAIN PROBLEMS OF THE UTILIZATION OF DISPERSED MEDIA
 IN HEAT EXCHANGERS"
 HEAT TRANSFER - SOVIET RESEARCH, VOL.8, NO.5, 1976, PP.
 25-29
 142039 1976 HTSR COMPOUNDTECH
 JETIMPINGE ADDFORLIQUIDS 1FORCECONV

ZAKKAY;V. MILLER;G.
 "ADVANCED HEAT EXCHANGER CONFIGURATIONS FOR COAL-FIRED
 FLUIDIZED BEDS"
 AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.78-WA/HT-
 40, 1978
 142017 1978 ASME COMPOUNDTECH
 1FORCECONV ADDFORGASES EXTENDED SURF

ZOZULYA;N.V. KHORUNZHII;Y.
 "HEAT TRANSFER FROM FINNED TUBES MOVING BACK AND FORTH IN
 LIQUID"
 CHEMICAL AND PETROLEUM ENGINEERING, NO.9-10, 1968,
 PP.830-832
 102021 1968 CPE SURFVIB
 1FORCECONV EXTENDED SURF COMPOUNDTECH

COMPOUND ENHANCEMENT — POOL BOILING

BROMLEY;L.A. HUMPHREYS;R.F. MURRAY;W.
 "CONDENSATION ON AND EVAPORATION FROM RADIALY GROOVED
 ROTATING DISKS"
 JOURNAL OF HEAT TRANSFER, VOL.88, 1966, PP.80-93
 145002 1966 JHT COMPOUNDTECH
 MECHAID ROUGHSURF CONDENSATION POOLBOIL

 FIVEL;H.J.
 "LIQUID METAL HEAT PIPE PERFORMANCE IN THE PRESENCE OF A
 TRANSVERSE MAGNETIC FIELD"
 AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.78-ENAS-20

1978
 143001 1978 ASME COMPOUNDTECH
 POOLBOIL SURFTENSION ELECTROFIELD

 GENBACH;A.A. FEDOROV;V.N. SHELGINSKY;A.Y.
 "LIQUID BOILING HEAT TRANSFER IN CAPILLARY-POROUS
 STRUCTURES IN THE FIELD OF BODY FORCES"
 TRUDY MOSKVA ENERGETICHESKII INSTITUT, NO.448, 1980, PP.27-31
 143002 1980 ** COMPOUNDTECH
 TREATSURF ELECTRFIELD POOLBOIL

 JONES;T.B.
 "ELECTROHYDRODYNAMIC HEAT PIPES"
 INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.16,
 1973, PP.1045-1048
 123008 1973 IJHMT SURFTENSION
 ELECTROFIELD POOLBOIL COMPOUNDTECH

COMPOUND ENHANCEMENT — FLOW BOILING .

SEPHTON;H.H.

"RENOVATION OF INDUSTRIAL INORGANIC WASTEWATER BY EVAPORATION WITH INTERFACE ENHANCEMENT"

EPA 60012-76-017, 1976

144002 1976 ** COMPOUNDTECH

FLOBOIL ADDFORLIQUIDS ROUGHSURF

SEPHTON;H.H.

"RENOVATION OF POWER PLANT COOLING TOWER BLOWDOWN FOR RECYCLE BY EVAPORATION:CRYSTALLIZATION WITH INTERFACE ENHANCEMENT"

EPA-60017-77-063, 1977

144003 1977 ** COMPOUNDTECH

FLOBOIL ADDFORLIQUIDS ROUGHSURF

SEPHTON;H.H.

"DEVELOPMENT OF VERTICAL TUBE FOAM EVAPORATION FOR DESALINATION"

UNIVERSITY OF CALIFORNIA SEA WATER CONVERSION LABORATORY, BERKELEY, CALIFORNIA, 1975

144004 1975 ** COMPOUNDTECH

FLOBOIL ADDFORLIQUIDS ROUGHSURF

SEPHTON;H.H.

"DESALINATION BY UPFLOW VERTICAL TUBE EVAPORATION WITH INTERFACE ENHANCEMENT"

INTERNATIONAL DESALTING CONFERENCE, PONCE, PUERTO RICO, APRIL 23-25, 1975

144001 1975 ** COMPCUNDTECH

FLOBOIL ADDFORLIQUIDS ROUGHSURF

COMPOUND ENHANCEMENT — CONDENSATION

APPEL;D.W. HONG;S.H.
 "OPTIMISING HEAT TRANSFER USING BARS IN DRYERS"
 PAPER TECHNOLOGY AND INDUSTRY, AUGUST 1975, PP.T171-T176
 145001 1975 ** COMPOUNDTECH
 CONDENSATION ROUGHSURF MECHAID

BROMLEY;L.A. HUMPHREYS;R.F. MURRAY;W.
 "CONDENSATION ON AND EVAPORATION FROM RADially GROOVED
 ROTATING DISKS"
 JOURNAL OF HEAT TRANSFER, VOL.88, 1966, PP.60-93
 145002 1966 JHT COMPOUNDTECH
 MECHAID ROUGHSURF CONDENSATION POOLBOIL

CHANDRAN;R. WATSON;F.A.
 "CONDENSATION ON STATIC AND ROTATING PINNED TUBES"
 TRANSACTIONS OF THE INSTITUTION OF CHEMICAL ENGINEERS,
 VOL.54, 1976, PP.65-72

035069 1976 ** EXTENDED SURF
 MECHAID CONDENSATION COMPOUNDTECH SURFTREAT

CHARY;S.P. SARMA;P.K.
 "CONDENSATION ON A ROTATING DISK WITH CONSTANT AXIAL
 SUCTION"
 JOURNAL OF HEAT TRANSFER, VOL.98, 1976, PP.682-684
 095012 1976 JHT MECHAID
 INJECTORSUCT CONDENSATION COMPOUNDTECH

COMPOUND ENHANCEMENT — MASS TRANSFER

BELLHOUSE;B.J.

"A HIGH-EFFICIENCY MEMERANE OXYGENATOR"

PLASTICS IN MEDICINE AND SURGERY CONFERENCE, PLASTICS AND
RUBBER INSTITUTE, UNIVERSITY OF STRATHCLYDE, GLASGOW,
SCOTLAND, SEPT., 1975, PP.18.1-18.8

026011 1975 ** ROUGHSURF
MASSTRAN FLUIDVIB COMPOUNDTECH

ENGINEERING, VOL.11, 1976, PP.134-135

026012 1976 **

ROUGHSURF

MASSTRAN FLUIDVIB COMPOUNDTECH

DRISCOLL;T.J. CORSON;N.J.

"VORTEX AUGMENTATION OF PLASMA AND BLOOD ULTRAFILTRATION"
INTERNATIONAL CONFERENCE ON MEDICAL AND BIOLOGICAL

PERFORMANCE EVALUATION CRITERIA

- ANDERSON;J.H. ANDERSON,JR.;J.H.
"COMPACT HEAT EXCHANGERS FOR SEA THERMAL POWER PLANTS"
PROCEEDINGS FOURTH ANNUAL CONFERENCE ON OCEAN THERMAL ENERGY
CONVERSION, MARCH 1977, PP. VI-3 - VI-14.
150051 1977 ** PERFORMANCE
FLOBOIL EXTENDED SURF
- ANONYMOUS
"THERMAL HANDBOOK"
ALFA LAVAL: SWEDEN, 1969
000064 1969 ** LITSURVEY
PERFORMANCE
- EASKERVILLE;J.E. ROBINSON;T.R. ROHSENOW;W.M.
"PERFORMANCE RANKING OF CROSSFLOW FINNED TUBULAR HEAT
EXCHANGER SURFACES"
ASME-JSME THERMAL ENGINEERING JOINT CONFERENCE PROCEEDINGS,
HONOLULU, HAWAII, MARCH 1983, VOL.2, PP.379-385
150067 1983 ** PERFORMANCE
EXTENDED SURF 1FORCECONV
- BEJAN;A.
"THE CONCEPT OF IRREVERSIBILITY IN HEAT EXCHANGER DESIGN:
COUNTERFLOW HEAT EXCHANGERS FOR GAS-TO-GAS APPLICATIONS"
JOURNAL OF HEAT TRANSFER, VOL.99, 1977, PP.374-380
150036 1977 JHT PERFORMANCE
- BEJAN;A.
"GENERAL CRITERION FOR RATING HEAT-EXCHANGER PERFORMANCE"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.21,
1976, PP. 655-658.
150037 1978 IJHMT PERFORMANCE
- BEJAN;A.
"A PARAMETRIC ANALYSIS OF THE PERFORMANCE OF INTERNALLY
FINNED TUBES FOR HEAT EXCHANGER APPLICATION"
JOURNAL OF HEAT TRANSFER, VOL.102, 1980, PP.586-587
032298 1980 JHT EXTENDED SURF
1FORCECONV PERFORMANCE
- BEJAN;A. PFISTER;P.A.
"EVALUATION OF HEAT TRANSFER AUGMENTATION TECHNIQUES BASED
ON THEIR IMPACT ON ENTROPY GENERATION"
LETTERS IN HEAT AND MASS TRANSFER, VOL.7, NO.2, 1980,
PP.97-106
022384 1980 LHMT ROUGH SURF
1FORCECONV PERFORMANCE
- BEJAN;A.
"SECOND LAW ANALYSIS IN HEAT TRANSFER"
ENERGY, VOL.5, NOS.8-9, 1980, PP.721-732
150072 1980 ** PERFORMANCE
- BERGLES;A.E. BLUMENKRANTZ;A.R. TABOREK;J.
"PERFORMANCE EVALUATION CRITERIA FOR ENHANCED HEAT
TRANSFER SURFACES"
HEAT TRANSFER 1974, VOL.11, THE JAPAN SOCIETY OF MECHANICAL
ENGINEERS, TOKYO, 1974, PP.239-243
150009 1974 VIHTC PERFORMANCE
- BERGLES;A.E. BLUMENKRANTZ;A.R. TABOREK;J.
"PERFORMANCE EVALUATION CRITERIA FOR ENHANCED HEAT TRANSFER
SURFACES"
AMERICAN INSTITUTE OF CHEMICAL ENGINEERS PREPRINT 9 FOR
THE THIRTEENTH NATIONAL HEAT TRANSFER CONFERENCE, DENVER,
COLORADO, AUGUST 1972
150011 1972 AIChE PERFORMANCE
- BERGLES;A.E. JUNKHAN;G.H. BUNN;R.L.
"PERFORMANCE CRITERIA FOR COOLING SYSTEMS ON AGRICULTURAL
AND INDUSTRIAL MACHINES"
HEAT TRANSFER LABORATORY REPORT HTL-6, ISU-ER1-AMES-74267,
IOWA STATE UNIVERSITY, DECEMBER 1974
150023 1974 ISU PERFORMANCE
- BERGLES;A.E. BUNN;R.L. JUNKHAN;G.H.
"EXTENDED PERFORMANCE EVALUATION CRITERIA FOR ENHANCED
HEAT TRANSFER SURFACES"
LETTERS IN HEAT AND MASS TRANSFER, VOL.1, 1974, PP.113-120
150026 1974 LHMT PERFORMANCE
1FORCECONV
- EERGLES;A.E. JUNKHAN;G.H. BUNN;R.L.
"PERFORMANCE CRITERIA FOR COOLING SYSTEMS ON AGRICULTURAL
AND INDUSTRIAL MACHINES"
PREPRINTED AND PRESENTED AT MISSISSIPPI VALLEY SECTION
SPRING MEETING OF THE SOCIETY OF AUTOMOTIVE ENGINEERS,
DUBUQUE, IOWA, APRIL 1975, SAE PAPER NO. 751187, 1976,
SAE TRANSACTIONS, VOL.85, 1976, PP.38-46
150027 1975 SAE PERFORMANCE
1FORCECONV
- BERGLES;A.E. BLUMENKRANTZ;A.R. MARNER;W.J.
TABOREK;J.
"SURVEY AND EVALUATION OF TECHNIQUES TO AUGMENT CONVECTIVE
HEAT TRANSFER"
HEAT TRANSFER RESEARCH, INC. REPORT ON CONTRACT NO.31-109-
38-4121 FOR DEPARTMENT OF ENERGY, POWER SYSTEMS DIVISION
OF FOSSIL ENERGY, DECEMBER 1977
000066 1977 ** LITSURVEY
PERFORMANCE
- EERGWERK;W.
"BETTER HEAT EXCHANGER DESIGN"
BRITISH CHEMICAL ENGINEERING, VOL.10, 1965, PP.323-326.
150042 1965 ** PERFORMANCE
- CHIU;C. TODREAS;N.E. ROHSENOW;W.M.
"PREDICTION OF TEMPERATURE DISTRIBUTION IN WIRE-WRAPPED
NUCLEAR FUEL ROD ASSEMBLIES"
TURBULENT FORCED CONVECTION IN CHANNELS AND BUNDLES, VOL. 1,
HEMISPHERE PUBLISHING CORPORATION, WASHINGTON, D.C., 1979,
PP. 175-184.
052083 1979 ** SWIRLFLO
1FORCECONV PERFORMANCE
- CLAYTON;D.G.
"NEW CONCEPTS FOR HEAT EXCHANGER PERFORMANCE"
WAERME- UND STOFFUEBERTRAGUNG, VOL.7. 1974, PP.107-112
150013 1974 ** PERFORMANCE
- COX;B. JALLOUK;P.A.
"METHODS FOR EVALUATING THE PERFORMANCE OF COMPACT HEAT
TRANSFER SURFACES"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.
72-WA/HT-56, 1972
150016 1972 ASME PERFORMANCE
1FORCECONV
- DAHLGREN;A.I. JENSSEN;S.K.
"COMPARISON OF HEAT EXCHANGE SURFACES"
CHEMICAL AND PROCESS ENGINEERING - HEAT TRANSFER SURVEY,
1970, PP.31-33
150025 1970 ** PERFORMANCE
- DREYTSER;G.A. KUZ'MINOV;V.A. NEVEROV;A.S.
"ELEMENTARY METHODS OF ESTIMATING THE EFFECTIVENESS OF HEAT
TRANSFER AUGMENTATION IN CHANNEL-FLOWS"
HEAT TRANSFER - SOVIET RESEARCH, VOL.6, NO.6, 1974, PP.10-17
150015 1974 HTSR PERFORMANCE
1FORCECONV
- EVANS;L.B. CHURCHILL;S.W.
"ECONOMICS OF USING HEAT TRANSFER PROMOTERS"
CHEMICAL ENGINEERING PROGRESS, VOL.58, NO.10, 1962, PP.55-61
150004 1962 CEP PERFORMANCE
- FELDMAN, JR.;K.T.
"EXPERIENCE WITH THE HEATING PLANT HEAT RECOVERY SYSTEM AT
THE UNIVERSITY OF NEW MEXICO"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS, PAPER NO.
80-WA/HT-16, 1980.
032278 1980 ASME EXTENDED SURF
1FORCECONV PERFORMANCE
- FRANKE;U.
"EXERGETISCHE OPTIMIERUNG VON OBERFLAECHEWAERMEAUSTAUS-
SCHERN"
BRENNSTOFF-WAERME-KRAFT, VOL.27, 1975, PP.297-300
150017 1975 ** PERFORMANCE
- FRANKLIN;W.C. COCKS;R.E.
"DETERMINE THE RESISTANCE THAT CONTROLS HEAT EXCHANGER COST"

CHEMICAL ENGINEERING, VOL.87, 1960, NO.15, PP.93-94
150062 1980 ** PERFORMANCE

GADDIS;E.S. SCHLUNDER;E.U.
"THE OPTIMUM TUBE DIAMETER FOR MINIMUM PRODUCTION COSTS OF
SHELL AND TUBE CONDENSERS"
VERFAHRENSTECHNIK, VOL.11, 1977, PP.372-374
150036 1977 ** PERFORMANCE
CONDENSATION

GANIC;E.N.
"HEAT TRANSFER CHARACTERISTICS OF WORKING FLUIDS FOR OTEC"
HEAT TRANSFER IN OCEAN THERMAL ENERGY (OTEC) SYSTEMS,
HTD-VOL. 12, ASME, NEW YORK, 1980, PP. 55-66.
150054 1980 ASME PERFORMANCE

GARG;H.P. RANI;U. CHANDRA;R.
"OPTIMIZATION OF FIN AND TUBE PARAMETERS IN A FLAT-PLATE
COLLECTOR"
ENERGY, VOL.6, 1981, NO.1, PP.83-92
150063 1981 ** PERFORMANCE
EXTENDED SURF

GRANRYD;E.G.U.
"TECHNICAL AND ECONOMICAL EVALUATION OF FINNED COIL HEAT
EXCHANGERS"
SCANDINAVIAN REFRIGERATION, VOL.1, NO.2, 1972, PP.56-63
150010 1972 ** PERFORMANCE

GUINN;G.R. NOVELL;B.J.
"OPERATING PERFORMANCE OF A WATER SPRAY ON AN AIR-TYPE
CONDENSING UNIT"
ASHRAE TRANSACTIONS, VOL.87, PT.2, 1981, PP.373-381
150044 1981 ASHRAE PERFORMANCE

GUHKMAN;A.A.
"INTENSIFICATION OF CONVECTIVE HEAT TRANSFER AND PROBLEM OF
COMPARATIVE EVALUATION OF HEAT TRANSFER SURFACES"
THERMAL ENGINEERING, VOL.24, NO.4, 1977, PP.4-7.
150031 1977 TENG PERFORMANCE

HEWITT;G.F.
"THE POTENTIAL FOR DEVELOPMENT IN HEAT EXCHANGER PLANTS"
HEAT TRANSFER ENGINEERING, VOL.3, NO.2, 1981, PP.21-30
150059 1981 HTE PERFORMANCE

HORAZAK;D.A. RADAS;T.J.
"CAPITAL COST SYSTEM OPTIMIZATION OF OTEC POWER MODULES"
ENERGY TECHNOLOGY CONFERENCE, HOUSTON, TEXAS, NOVEMBER 1978
150064 1978 ** PERFORMANCE
TREATSURF ROUGHSURF EXTENDED SURF CONDENSATION

HUMMEL;R.L.
"ECONOMICS OF IMPROVED HEAT TRANSFER SURFACES IN
EVAPORATION"
PRESENTED AT THE 55TH NATIONAL MEETING OF AMERICAN SOCIETY
OF CHEMICAL ENGINEERS, HOUSTON, FEBRUARY 1965
013013 1965 AIChE TREATSURF
PERFORMANCE POOLBOIL

JOHNSON;B.M. KREID;D.K. HAUSER;S.G.
"A METHOD OF COMPARING PERFORMANCE OF EXTENDED-SURFACE
HEAT EXCHANGERS"
HEAT TRANSFER ENGINEERING, VOL.4, NO.1, 1983, PP.32-42
032347 1983 HTE EXTENDED SURF
1FORCECONV PERFORMANCE

KADAMBI;V. GIANANTE;J.E.
"THE EFFECT OF LANCES ON FINNED-TUBE HEAT EXCHANGER
PERFORMANCE"
AGIIRAC TRANSACTIONS, VOL.09, PT.1A, 1983, PP.83-95
022358 1983 ASHRAE ROUGHSURF
1FORCECONV PERFORMANCE

KALAFATI;D.D. POPALOV;V.V.
"A RELATIVE SCALE OF EFFECTIVENESS OF GASEOUS COOLANTS"
THERMAL ENGINEERING, VOL.22, NO.9, 1975, PP.83-85
150018 1975 TENG PERFORMANCE

KIRPIKOV;V.A. LEIFMAN;I.I.
"A GRAPHICAL MEANS OF COMPARATIVE EVALUATION OF THE
EFFECTIVENESS OF CONVECTIVE HEATING SURFACES"

THERMAL ENGINEERING, VOL.22, NO.3, 1975, PP.36-39
150019 1975 TENG PERFORMANCE

LARKIN;B.S.
"EVALUATION OF HEAT EXCHANGER SURFACES FOR USE IN GAS
TURBINE CYCLES"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO.
68-WA/HT-23, 1968
150006 1968 ASME PERFORMANCE

LE FOLL;J.
"EXPERIMENTAL RESEARCH ON HEAT TRANSFER BY GASES IN FORCED
CONVECTION"
LA HOUILLE BLANCHE, NO.1, 1957, PP.30-45
150003 1957 ** PERFORMANCE

LE GOFF;P.
"THE CONCEPT OF A 'UNIT OF DEGRADATION OF ENERGY' IN FLUID
FLOW"
CHEMICAL ENGINEERING JOURNAL, VOL.20, NO.3, 1980, PP.185-195
150049 1980 CEJ PERFORMANCE
1FORCECONV

LEWIS;M.J.
"ROUGHNESS FUNCTIONS, THE THERMOHYDRAULIC PERFORMANCE OF
ROUGH SURFACES AND THE HALL TRANSFORMATION - AN OVERVIEW"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.17, 1974,
PP.809-814
150020 1974 IJHMT PERFORMANCE
ROUGHSURF 1FORCECONV

LEWIS;M.J.
"OPTIMISING THE THERMODYNAMIC PERFORMANCE OF ROUGH SURFACES"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.18, 1975,
PP.1243-1248
150021 1975 IJHMT PERFORMANCE
ROUGHSURF 1FORCECONV

LONDON;A.L. SHAH;R.K.
"COSTS OF IRREVERSIBILITIES IN HEAT EXCHANGER DESIGN"
HEAT TRANSFER ENGINEERING, VOL.4, NO.2, 1983, PP.59-73
150068 1983 HTE PERFORMANCE

LORENZ;J.J. YUNG;D.
"AN EVALUATION OF THE COST-EFFECTIVENESS OF SURFACE
ENHANCEMENTS FOR OTEC HEAT EXCHANGERS"
PROCEEDINGS OF THE SEVENTH OCEAN ENERGY CONFERENCE, CONF-
800633, VOL.2, 1980, PP.12.3-1 - 12.3-8
150057 1980 ** PERFORMANCE
POOLBOIL CONDENSATION

LUBNY-GERTSYK;A.L. ZOZ;V.N. SKEINEN;B.I.
"PROCEDURE FOR CALCULATION OF HEAT TRANSFER BY MEMBRANE-LOBE
FINNING OF TUBES"
THERMAL ENGINEERING, VOL.24, NO.1, 1977, PP.73-78
032195 1977 TENG EXTENDED SURF
1FORCECONV PERFORMANCE

LYON;R.N.
"AN OUTLINE FOR OPTIMIZING AND EVALUATING PROPOSED OTEC
SYSTEMS"
PROCEEDINGS FOURTH ANNUAL CONFERENCE ON OCEAN THERMAL ENERGY
CONVERSION, NEW ORLEANS, LOUISIANA, MARCH 1977.
PP. VI-34 - VI-38.
150048 1977 ** PERFORMANCE

MACK, JR.;W.M. ROHSENOW;W.M.
"EVALUATION OF THE HEAT TRANSFER PERFORMANCE OF THREE
ENHANCED SURFACES INCLUDING AN ENHANCED SURFACE HEAT
EXCHANGER PERFORMANCE COMPARISON METHOD"
ENGINEERING PROJECTS LABORATORY REPORT DSR 73490-86,
MASSACHUSETTS INSTITUTE OF TECHNOLOGY, JUNE, 1974
022149 1974 MIT ROUGHSURF
1FORCECONV POOLBOIL PERFORMANCE

MACNAIR;E.
"WORKSHOP ON MODERN DEVELOPMENTS IN MARINE CONDENSERS -
OPENING ADDRESS"
POWER CONDENSER HEAT TRANSFER TECHNOLOGY, HEMISPHERE
PUBLISHING CORPORATION, 1981, PP.3-13
150060 1981 ** PERFORMANCE
CONDENSATION

- MANVEL JR;J.T.
"AN EXPERIMENTAL STUDY OF DROPWISE CONDENSATION ON HORIZONTAL CONDENSER TUBES"
M.S. THESIS IN MECHANICAL ENGINEERING, U.S. NAVAL POSTGRADUATE SCHOOL, MONTEREY, CALIFORNIA, JUNE 1979
015025 1979 ** PERFORMANCE
CONDENSATION
- MARNER;W.J. BERGLES;A.E. CHENOWETH;J.M.
"ON THE PRESENTATION OF PERFORMANCE DATA FOR ENHANCED TUBES USED IN SHELL-AND-TUBE HEAT EXCHANGERS"
JOURNAL OF HEAT TRANSFER, VOL.105, 1983, PP.358-365
150052 1983 JHT PERFORMANCE
- MELESE-D'HOSPITAL;G.
"MERIT INDEX FOR GAS-COOLED REACTOR HEAT TRANSFER"
NUCLEAR SCIENCE AND ENGINEERING, VOL.50, 1973, PP.83-85
150012 1973 ** PERFORMANCE
- MIGAI;V.K.
"THE EFFICIENCY IMPROVEMENT OF THE MODERN HEAT EXCHANGERS"
ENERGIA, Leningrad, 1980
150069 1980 ** PERFORMANCE
- MIKALIN;E. SHEVICH;Y.
"COMPARISON OF HEAT TRANSFER SURFACES BASED ON RELATIVE OVERALL SIZES"
IZVESTIYA V.U.Z., MASHINOSTROENIE, NO.9, 1977, PP.48-54
150035 1977 ** PERFORMANCE
- MITSKEVICH;A.I.
"METHOD FOR ESTIMATING THE EFFICIENCY OF CONVECTIVE HEAT TRANSFER"
HEAT TRANSFER-SOVIET RESEARCH, VOL.1, NO.5, 1969, PP.1-21
150007 1969 HTSR PERFORMANCE
- MONTAKHAB;A.
"ANALYSIS OF HEAT TRANSFER SURFACE GEOMETRIES FOR DRY COOLING TOWER APPLICATIONS"
JOURNAL OF ENGINEERING FOR POWER, VOL. 102, 1980, PP. 807-812.
150050 1980 ** PERFORMANCE
1FORCECONV EXTENDED SURF
- NAGLA;Y.Y. GRITSANS;Y.M.
"COMPARISON OF VARIOUS FINNED TUBE HEAT EXCHANGE SURFACES ON THE BASIS OF INVESTMENTS AND OPERATING COSTS"
IZV. VYSSH. UCHEBN. ZAVED. ENERGI., NO.1, 1979, PP.94-98
150061 1979 ** PERFORMANCE
1FORCECONV
- NORRIS;R.H.
"CONCEPTS OF EFFICIENCY OF HEAT TRANSFER AND PRESSURE-DROP RELATIONS IN HEAT EXCHANGERS"
PROCEEDINGS OF THE FIFTH INTERNATIONAL CONGRESS FOR APPLIED MECHANICS, 1939, PP.585-589
150002 1939 ** PERFORMANCE
- OWENS;W.L.
"COMMENTS ON SEA WATER SIDE ENHANCEMENT FOR OTEC HEAT EXCHANGERS"
PROCEEDINGS FOURTH ANNUAL CONFERENCE ON OCEAN THERMAL ENERGY CONVERSION, NEW ORLEANS, LOUISIANA, MARCH 1977, PP. VI-105 - VI-109.
150046 1977 ** PERFORMANCE
- PANCHAL;C.B. HILLIS;D.L. LORENZ;J.J.
YUNG;D.T.
"OTEC PERFORMANCE TESTS OF THE TRANE PLATE-FIN HEAT EXCHANGER"
ARGONNE NATIONAL LABORATORY, REPORT NO. ANL/OTEC-PS-7, APRIL 1981.
150053 1981 ANL PERFORMANCE
EXTENDED SURF POOLBOIL CONDENSATION
- PATTEN;T.
"THE PERFORMANCE OF A PRIMARY SURFACE FOR COMPACT HEAT EXCHANGERS"
PROCEEDINGS OF THE THIRD INTERNATIONAL HEAT TRANSFER CONFERENCE, VOL.3, AMERICAN INSTITUTE OF CHEMICAL ENGINEERS, NEW YORK, 1966, PP.306-314
150024 1966 IIHTC PERFORMANCE
EXTENDED SURF
- RENZ;U. BECKER;N.
"VERGLEICH VON KUEHLSYSTEMEN FUER TROCKENKUEHLTUEHRE"
BRENNSTOFF-WAERME-KRAFT, VOL.30, NO.9, 1980, PP.368-370
150040 1980 ** PERFORMANCE
- RICH;D.G.
"A METHOD OF COMPARING HEAT EXCHANGERS"
ASHRAE TRANSACTIONS, VOL. 66, 1960, PP. 80-90
150029 1960 ASHRAE PERFORMANCE
- RUSSELL;C.M.E.
"THE EFFECT OF THE EXTERNAL CORROSION OF FIN TUBES ON THERMAL PERFORMANCE"
ADVANCES IN ENHANCED HEAT TRANSFER, AMERICAN SOCIETY OF MECHANICAL ENGINEERS, NEW YORK, 1979, PP.87-94.
150039 1979 ASME PERFORMANCE
EXTENDED SURF
- SAKAMOTO;M. YOKOYAMA;K.
"METHOD FOR ESTIMATING THE PERFORMANCE OF HEAT EXCHANGER PIPES"
REFRIGERATION, VOL.54, NO.622, 1979, PP.675-682
150056 1979 ** PERFORMANCE
1FORCECONV
- SANO;Y. USUI;H.
"EVALUATION OF HEAT TRANSFER PROMOTERS BY THE FLUID DISSIPATION ENERGY"
HEAT TRANSFER - JAPANESE RESEARCH, VOL.11, NO.1, 1982, PP.91-96
150071 1982 HTJR PERFORMANCE
- SATHER;N.F.
"ACCELERATED HEAT EXCHANGER CORE TESTING"
PROCEEDINGS FOURTH ANNUAL CONFERENCE ON OCEAN THERMAL ENERGY CONVERSION, NEW ORLEANS, LOUISIANA, MARCH 1977, PP. VI-27 - VI-33.
150047 1977 ** PERFORMANCE
- SCHAAL;M. ASCHNER;F.S. HASSON;D.
"LARGE LONG-TUBE VERTICAL EVAPORATORS FOR SEA WATER DISTILLATION"
DESALINATION, VOL. 10, 1972, PP. 67-93
034031 1972 ** EXTENDED SURF
FLOBOIL CONDENSATION PERFORMANCE
- SCOTT;T.C.
"ACCURATE, SIMPLE EXPRESSIONS FOR THE EFFICIENCY OF SINGLE AND COMPOSITE EXTENDED SURFACE"
ADVANCES IN ENHANCED HEAT TRANSFER, AMERICAN SOCIETY OF MECHANICAL ENGINEERS, NEW YORK, 1979, PP.79-85.
150032 1979 ASME PERFORMANCE
EXTENDED SURF
- SENSHU;T. HATADA;T. ISHIBANE;K.
"HEAT AND MASS TRANSFER PERFORMANCE OF AIR COOLERS UNDER WET CONDITIONS"
ASHRAE TRANSACTIONS, VOL.87, PART 2, 1981, PP.109-115
150043 1981 ASHRAE PERFORMANCE
- SHAH;R.K. AFIMIWALA;K.A. MAYNE;R.W.
"HEAT EXCHANGER OPTIMIZATION"
HEAT TRANSFER 1978, VOL.4, HEMISPHERE PUBLISHING COMPANY: WASHINGTON, D.C., 1978, PP.185-192
150034 1978 IIHTC PERFORMANCE
- SMITH JR.;J.L.
"THE PRESENTATION OF HEAT TRANSFER AND FRICTION-FACTOR DATA FOR HEAT EXCHANGER DESIGN"
AMERICAN SOCIETY OF MECHANICAL ENGINEERS PAPER NO. 66-WA/HT-59, 1966
150001 1966 ASME PERFORMANCE
- SOLAND;J.G. MACK;W.M. ROHSENOW;W.M.
"PERFORMANCE RANKING OF PLATE-FINNED EXCHANGER SURFACES"
JOURNAL OF HEAT TRANSFER, VOL.100, 1978, PP.514-519
150014 1978 JHT PERFORMANCE

- SPALDING;D.E. LIEBERMAN;A.
"THE SELECTION OF THE MOST ECONOMICAL TURBULENCE PROMOTERS
IN THE DESIGN OF HEAT EXCHANGER"
WINDSCALE TRANSLATIONS, 277, 1964
150005 1964 ** PERFORMANCE
- STARNER;K.E.
"EFFECT OF FOULING FACTORS ON HEAT EXCHANGER DESIGN"
ASHRAE JOURNAL, MAY 1976, PP.39-41
150022 1976 ASHRAEJ PERFORMANCE
- WEBB;R.L. ECKERT;E.R.G.
"APPLICATION OF ROUGH SURFACES TO HEAT EXCHANGER DESIGN"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.15,
1972, PP.1647-1656
150008 1972 IJHMT PERFORMANCE
- WEBB;R.L. SCOTT;M.J.
"A PARAMETRIC ANALYSIS OF THE PERFORMANCE OF INTERNALLY
FINNED TUBES FOR HEAT EXCHANGER APPLICATION"
JOURNAL OF HEAT TRANSFER, VOL. 102, 1980, PP. 36-43,
ERRATA, P. 791
150028 1980 JHT PERFORMANCE
EXTENDED SURF 1FORCECONV
- WEBB;R.L.
"PERFORMANCE EVALUATION CRITERIA FOR USE OF ENHANCED HEAT
TRANSFER SURFACES IN HEAT EXCHANGER DESIGN"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL. 24,
1981, PP. 715-726.
150045 1981 IJHMT PERFORMANCE
- WEBB;R.L. HONG;J.-T.
"WATER-SIDE ENHANCEMENT FOR OTEC SHELL-AND-TUBE EVAPORATORS"
PROCEEDINGS OF THE SEVENTH OCEAN ENERGY CONFERENCE, CONF-
800633, VOL.2, 1980, PP.12.4-1 - 12.4-10
150058 1980 ** PERFORMANCE
POOLBOIL CONDENSATION
- WEBB;R.L. BERGLES;A.E.
"PERFORMANCE EVALUATION CRITERIA FOR SELECTION OF HEAT
TRANSFER SURFACE GEOMETRIES USED IN LOW REYNOLDS NUMBER
HEAT EXCHANGERS"
LOW REYNOLDS NUMBER FLOW HEAT EXCHANGERS, HEMISPHERE
PUBLISHING CORPORATION, WASHINGTON, 1983, PP.735-752
150065 1983 ** PERFORMANCE
- WEBB;R.L.
"PERFORMANCE EVALUATION CRITERIA FOR AIR-COOLED FINNED-
TUBE HEAT-EXCHANGER SURFACE GEOMETRIES"
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, VOL.25,
1982, P.1770
150066 1982 IJHMT PERFORMANCE
EXTENDED SURF
- WEBB;R.L.
"PERFORMANCE, COST EFFECTIVENESS, AND WATER-SIDE FOULING
CONSIDERATIONS OF ENHANCED TUBE HEAT EXCHANGERS FOR
BOILING SERVICE WITH TUBE-SIDE WATER FLOW"
HEAT TRANSFER ENGINEERING, VOL.3, NOS.3-4, 1982, PP.84-98
150070 1982 HTE PERFORMANCE
TREATED SURF POOLBOIL ROUGH SURF 1FORCECONV
- WOLF;C.W. WEILER;D.W. RAGI;E.G.
"ENERGY COSTS PROMPT IMPROVED DISTILLATION"
OIL AND GAS JOURNAL, VOL.73, SEPTEMBER 1, 1975, PP.2-5
150033 1975 OGJ PERFORMANCE
- YAKUSHIN;A.N.
"DETERMINATION OF OPTIMAL CHARACTERISTICS OF FINNED/PLATE
HEAT EXCHANGERS"
THERMAL ENGINEERING, VOL.24, NO.1, PP.64-67.
032214 1977 TENG EXTENDED SURF
1FORCECONV PERFORMANCE
- ZIEGLER;R.P. BERGLES;A.E.
"ECONOMIC EVALUATION OF AUGMENTED SURFACES IN WASTE HEAT
RECUPERATOR DESIGN"
HEAT TRANSFER LABORATORY, REPORT NO. HTL-20,
ISU-ERI-AMES-60024, COO-7649-9, IOWA STATE UNIVERSITY, AMES
1979.
150041 1979 ISU PERFORMANCE
EXTENDED SURF 1FORCECONV
- ZUKAUSKAS;A. ULINSKAS;R. SVEGZDA;A.
"A METHOD OF OPTIMIZING THE HEAT TRANSFER EFFICIENCY OF
HEAT EXCHANGERS"
LIETUVOS TSR MOKSLU AKADEMIJOS DARBAI, SER. B, VOL.2, NO.99,
1977
150030 1977 ** PERFORMANCE
- ZUKAUSKAS;A. ULINSKAS;R. ZAKREVSKII;V.
"A TECHNIQUE FOR THE EFFICIENCY EVALUATION OF HEAT TRANSFER
SURFACES"
LIETUVOS TSR MOKSLU AKADEMIJOS DARBAI, SER. B, VOL.4, 1980,
PP.53-59
150055 1980 ** PERFORMANCE