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**NUCLEAR CRITICALITY EXPERIMENTS FROM 1943 TO 1978,
AN ANNOTATED BIBLIOGRAPHY: VOLUME 3, SUBJECT INDEX**

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MS. date: April 24, 1979

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PREFACE

Nuclear energy is an important and increasing source of world energy supplies. From a review of the reports* of criticality experiments in support of nuclear energy published each year over the past three-and-a-half decades, we note a peaking of activities in the 1960's then a substantial decline (Fig. 1). This can be interpreted as a maturing of nuclear engineering methods.

Criticality experiments were first used to validate nuclear reaction rates, to establish criticality parameters, and to normalize computer calculations. The 1960's saw a rapid growth in understanding of the fission process, related neutron-transport phenomena, and the availability of experimental microscopic nuclear data. This led to construction of some nuclear reactors from calculated design predictions alone, without prior mockups or near-critical prototypes. Today, the state of the art of neutronic calculations by computer is sufficiently advanced to permit the design, construction, and use of some nuclear facilities without direct dependence on critical experiments. Current criticality experiments are being performed in a continuing worldwide effort to further improve calculational techniques for the accurate prediction of new and more complex situations.

Our collecting and indexing the large number of reports of valuable criticality experiments into one bibliography builds on the work begun in partial collections by A. D. Callihan, J. H. Chalmers, H. C. Paxton, and many others. Its publication was intended at an earlier date, but more immediate programmatic requirements precluded the comprehensive compilation, proofing, and release. We hope that this guide to the topical literature will contribute to the continued safe use of fissile materials.

*We use "reports" in a broad sense to include such other documents as journal articles and proceedings papers.

FIG. 1. Published nuclear criticality reports peaked in the 1960's. The next decade saw a substantial decline. (At printing time, we had not indexed all 1978 reports.)

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*Volume 1.

†Volume 2.

**Volume 3.

NUCLEAR CRITICALITY EXPERIMENTS FROM 1943 TO 1978, AN ANNOTATED BIBLIOGRAPHY: VOLUME 3, SUBJECT INDEX

ABSTRACT

This bibliography contains 1067 citations from the literature of critical and near-critical nuclear experiments. It provides an up-to-date index to reports containing useful data for many types of criticality studies. Most of the reports can provide specifications for relatively simple critical configurations necessary for validating nuclear constants and calculational techniques. The reports of more than 1143 experimentors at 38 international facilities since 1943 are cross-referenced. This collection contains the prototypes of many different designs of nuclear reactors and studies performed to insure the safe use of fissile materials in chemical processing plants, storage facilities, and transportation containers.

The bibliography has three volumes. Volume 1 contains the main listing of citations with abstracts. Volume 2 is a set of indexes organized by report number, publication date, experimental facility, and author name. Volume 3 provides a subject index, concorded on the significant keyphrases derived from titles, and an index of keyterms extracted from titles and abstracts. The bibliography was printed by computer as a selection from a computerized system at Lawrence Livermore Laboratory containing information and data on criticality experiments.

INTRODUCTION

This bibliography points to the literature of criticality experiments crucial to nuclear power development. Throughout the world, in the past 35 years, considerable effort went into these experiments, usually for a particular objective. This objective may have been the design of a nuclear power station; or the safe transfer and storage of fuel in chemical processing, diffusion, or isotope-separation plants; or the transport of fissile material in safe containers.

Although Lawrence Livermore Laboratory (LLL) no longer has an experimental criticality measurement program, we have a continuing interest in the properties of fissile materials and systems. Criticality data are needed to routinely specify safe operating conditions with these materials. They are also needed to validate computational constants and techniques. Some LLL progress in producing a benchmark library of well defined critical experiments has been discussed at meetings of the American Nuclear Society.¹⁻⁵ These data are in a system of descriptive data bases. The bibliographic portion dealing with this particular subset of experiments was used to create this printed index. It complements a larger integrated system for the production of neutronics and photonics calculational constants.⁶

CONTENTS OF THE BIBLIOGRAPHY

References to reports that discuss critical or near-critical nuclear configurations form the base for this bibliography. From the large numbers of such reports we have omitted those dealing with only theoretical studies, calculational techniques, neutron cross-section data, experimental techniques, control rod or reactivity worth measurements, and other general reactor physics measurements. Text books have also been excluded. This leaves only reports containing experimental results or information that would assist a reader in understanding and using such results.

Most of the reports can provide specifications for relatively simple critical configurations. These can be readily calculated using standard computer methods and available cross-section data. Simple spherical, cylindrical, and slab geometries are available as well as more complex geometries and arrays and lattices of simple units (Fig. 2). We have included a number of references to calculational models that describe specific experimental configurations. Those attempting to use the bibliography as a basis for reference (benchmark) problems would be well advised to also obtain and study these calculational references to avoid pitfalls that others have already found.

The criticality state of these assemblies has usually been measured by conventional exponential, pulsed-neutron, and critical or subcritical techniques. Descriptions of these techniques can be found in the literature, using references given in the cited documents or in available texts.⁷ The median neutron energy for the measured systems varies from fast to thermal.

Table 1 includes the locations at which the cited experiments were done and the number of reports associated with the work at each location. The bibliography attempts to include references to all critical work. For this reason, abstracts and summaries of oral presentations at meetings have been included though the amount of data is usually insufficient to completely define a critical system. They do, however, point toward authors and work that could otherwise go unnoticed.

The authors welcome corrections, comments, or additions to this bibliography. These should be addressed to the authors at:

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FTS: 532-7411

(a)

(b)

(c)

(d)

FIG. 2. Typical nuclear criticality experiments: (a) spherical metal assembly, (b) moderated array of metal cylinders, (c) mockup of a fast nuclear power reactor, and (d) array of fissile-solution cylinders.

TABLE 1. Sources of reports in this bibliography.

Reports	Source
<u>General sources</u>	
5	Bibliographies
27	General compilations of calculations
21	General descriptions of laboratories or compilations of experiments
<u>Experimental facilities</u>	
197	Oak Ridge
185	Hanford
140	Los Alamos
139	Argonne National Laboratory
61	Rocky Flats
57	United Kingdom
50	Livermore
38	France
34	Brookhaven National Laboratory
30	General Electric Company
26	Westinghouse
25	Atomics International
23	Savannah River
20	Germany
19	Babcock and Wilcox Company
16	USSR
11	Canada
11	General Atomics
7	Japan
6	Sweden
5	Alco Products
5	NASA, Lewis Research Center
4	Australia
4	Battelle Memorial Institute
4	Italy
4	Poland
3	Massachusetts Institute of Technology
3	University of Chicago
2	Aerojet General
2	Martin Corporation
2	Netherlands
1	Allis-Chalmers
1	AMF
1	Combustion Engineering
1	Cornell University
1	North American Aviation
1	Phillips Petroleum Company
1	Sandia
1	South Africa
1	Yugoslavia
1195	Total ^a

^aExceeds number of citations in this bibliography because some reports deal with experiments done at more than one facility.

HOW TO USE THE BIBLIOGRAPHY

We arranged this bibliography in three volumes to allow convenient and independent use:

Volume 1

Main listing of all citations, with abstracts, in ascending order of citation number.

Volume 2

Four alphabetic indexes, permitting visual lookup of pertinent citation numbers according to

Report number.
Publication date.
Experimental facility.
Author name.

Volume 3

A subject index in two concordances according to

Keyphrases from titles.
Keyterms from titles and abstracts.

The link among all alphabetic indexes and concordances is a unique, four-digit integer number assigned to each bibliographic citation. A perusal of the specific indexes in Volumes 2 and 3 permits lookup of this citation number and subsequent reading of the full bibliographic citation, including its abstract, in Volume 1, to establish relevancy.

The following specific guidelines are for each of the indexes and concordances.

The **report number index** is organized alphabetically by report number. A uniform format has been established for this field to permit a comprehensive, exact listing.

To permit the concise listing of citations according to their source of publication, e.g., certain proceedings, conferences, and journals, we used an abbreviated code to describe the report number. The citations in the indexes carry the terse notation; the corresponding full bibliographic citations in Volume 1 contain the expanded form. This is illustrated below:

Coded report number			Citation (ID) number
GENEVA-2, 12, 666-684	NATURAL URANIUM-GRAPHITE LATTICES	BACHER, P. / KOECHLIN, J. C. / DE MAZANCOURT, R. / TESTE DU BAILLER, A. / ZALESKI, C. P.	58-09-00 1950
GENEVA-2, 12, 747-762	RESEARCH EXPERIENCE WITH PLASTIC MODERATED CRITICAL ASSEMBLIES	JANKOWSKI, F. J.	58-09-00 739
GENEVA-3, 03, 241-247	INVESTIGATION ON SYSTEM WITH ZIRCONIUM HYDRIDE MODERATOR	PONOMAREV-STEPNOI, N. N. / SMIRNOV, O. N. / KULEVA, R. V.	64-09-00 693
GENEVA-3, 06, 124-136	FAST CRITICAL EXPERIMENTS AND THEIR ANALYSIS	THALGOTT, F. W. / LONG, J. K. / DAVEY, W. G. / KATO, W. Y. / CARPENTER, S. G. / MOREWITZ, H. A. / BEST, G. H.	64-09-00 1003

The **publication date index** has been standardized in a similar manner. The date is established in a consistent format by year, month, and day as (YY-MM-DD).

Date	Citation (ID) number
72-11-20 VALIDATION CHECKS OF THE "ANISN" AND "KENO" CODES BY CORRELATION WITH EXPERIMENTAL DATA.	HANDLEY, G. R. / HOPPER, C. M. Y-1858 1844
72-12-00 CRITICALITY OF GRAPHITE- AND POLYETHYLENE-REFLECTED URANIUM(93.2)-METAL CYLINDERS AND ANNULI	MIHALCZO, J. T. NSENAO, 49, 489-504 1966
73-00-00 PHYSICAL AND GEOMETRICAL PARAMETERS OF ANNA CRITICAL ASSEMBLIES. PART-2	MALEWSKI, S. / DABROWSKI, C. INR-1456/9A/PR/A 1941

The **experimental facility (or site) index** permits identification of all reports according to where the experimental work was performed. For those facilities at which a large number of experiments were performed, the site also indicates the project associated with the work. For any one facility, the citations are listed chronologically, in the format shown below:

Citation (ID) number	Experimental facility
<div data-bbox="222 1108 740 1140" style="border: 1px solid black; padding: 2px;">GENERAL ELECTRIC CO., SAN JOSE - SEFOR REACTOR</div> <div data-bbox="222 1151 740 1274"> <div data-bbox="222 1151 318 1172" style="border: 1px solid black; padding: 2px;">1932</div> NOBLE, L. D. / MITZEL, F. GEAP-13588 / SARMA, B. / WINTZER, D. / LU, Y. S. / KESSLER, G. / PFLASTERER, G. R. / BECKER, R. A. / MANSUR, L. </div>	70-03-00 RESULTS OF SEFOR ZERO POWER EXPERIMENTS..
GENERAL ELECTRIC CO., VALLECITOS - LOW ENRICHED URANIUM OXIDE - WATER	
685 JAWOROWSKI, T. R. / ALINE, P. G. / KOSANKE, H. D.	APED-4236 63-07-15 CONTROL AUGMENTATION CRITICAL EXPERIMENTS
1476 WARZEK, F. G. / JOHNSTON, H. F.	TANSAO, 06, 219-220 63-11-00 CLUMPED LIGHT-WATER-MODERATED URANIUM DIOXIDE SUPERHEAT CRITICALS: PART 1, EXPERIMENTS
1477 PETERSEN, G. T.	TANSAO, 06, 220-221 63-11-00 CLUMPED LIGHT-WATER-MODERATED URANIUM DIOXIDE SUPERHEAT CRITICALS: PART 2, ANALYSES
GERMANY - HEAVY WATER	
1496 KUCHLE, M.	IAEA-AMST.-1963, 2, 575-586 63-09-06 PULSED NEUTRON MEASUREMENTS ON A HEAVY WATER REACTOR AT ZERO ENERGY

The **author index** provides a chronological listing of all reports published by any author. The format of the citation here is the same as that used in the facility index.

To maximize the usefulness of the author index we have made the format for each author's name internally consistent; thus all reports by a particular author begin in one place in this index.

Date Author

BAKER, C. P.

1980 BAKER, C. P. / DAGHLIAN, H. K. / FRIEDLANDER, G. / HOLLOWAY, M. G. / KERST, D. W. / SCHREIBER, R. E.

LA-0134

44-09-04 WATER BOILER

1981 BAKER, C. P. / HOLLOWAY, M. G.

LA-0618

47-02-03 CRITICAL MASSES OF ENRICHED URANIUM HYDRIDES AND SOME RELATED MEASUREMENTS

BALDWIN, M. N.

700 ENGELDER, T. C. / SNIDOW, N. L. / CLARK, R. H. / BARKSDALE, C. E. / LEWIS, R. H. / BALDWIN, M. N.

BAW-1231

61-12-00 SPECTRAL SHIFT CONTROL REACTOR BASIC PHYSICS PROGRAM CRITICAL EXPERIMENTS ON LATTICES MODERATED BY HEAVY WATER-WATER MIXTURES

628 ENGELDER, T. C. / CLARK, R. H. / BALDWIN, M. N. / DEROCHÉ, E. J. / FAIRBURN, G. T. / HALLAM, J. W.

BAW-1273

63-11-00 MEASUREMENTS AND ANALYSIS OF UNIFORM LATTICE OF SLIGHTLY ENRICHED URANIUM DIOXIDE MODERATED BY HEAVY WATER-WATER MIXTURES

1369 PETTUS, W. G. / BALDWIN, M. N. / FAIRBURN, G. T. / STERN, M. E.

BAW-3647-12

69-06-00 PHYSICS VERIFICATION PROGRAM PART-3 QUARTERLY TECHNICAL REPORT JANUARY - MARCH 1969

1368 PETTUS, W. G. / BALDWIN, M. N. / FAIRBURN, G. T. / STERN, M. E.

BAW-3647-14

69-09-00 PHYSICS VERIFICATION PROGRAM PART-3 QUARTERLY TECHNICAL REPORT APRIL - JUNE 1969

1905 BALDWIN, M. N. / STERN, M. E.

BAW-3647-17

70-06-00 PHYSICS VERIFICATION PROGRAM. PART-3, TASK 4. QUARTERLY TECHNICAL REPORT, JANUARY-MARCH 1970.

Also, this particular index contains at its end an abbreviated alphabetic listing that points to the *page number* of the respective index. This provides a concise overview for the available material.

The concordance on keyphrases in titles was derived by computer as a multi-term index of cogent expressions. Non-essential expressions and keyphrases were removed. This concordance also concludes with an abbreviated, alphabetic lookup table, giving the user a direct guide to the *page number* for desired subject keyphrases or keyterms.

Citation
(ID)
number

Keyphrase

WATER BOILERS

44-09-04 BAKER, C. P. / DAGHLIAN, H. K. / FRIEDLANDER, G. / HOLLOWAY, M. G. / KERST, D. W. / SCHREIBER, R. E.

1980 WATER BOILER

45-09-27 GREULING, E.

454 THEORY OF WATER-TAMPED WATER BOILER

47-12-19 KING, L. D. P.

1982 CRITICAL ASSEMBLIES, CHAPTER 4, WATER BOILERS

WATER COOLED LATTICES

64-06-00 BENTON, F. D.

716 MEASUREMENTS OF BUCKLINGS AND VOID EFFECTS IN HEAVY WATER MODERATED, ORGANIC OR WATER COOLED LATTICES OF URANIUM DIOXIDE ROD CLUSTERS

The concordance on keyterms in titles and abstracts is an innovation. The keyterms were selected from the computer-generated dictionary of all unique single terms derived from titles and abstracts. Though this index provides a broader field of terms, each term may be insufficient to locate all relevant articles.

Keyterm**Citation
(ID)
number****HEXAHYDRATE**

67-06-00 LLOYD, R. C. / CLAYTON, E. D.

896 INTERACTING ARRAYS OF CONTAINERS WITH URANIUM-233 SOLUTION**HFIR**

67-03-20 JOHNSON, E. B.

1151 CRITICAL LATTICES OF HIGH FLUX ISOTOPE REACTOR FUEL ELEMENTS

HI-C

65-06-00 BOYNTON, A. R.

843 EXPERIMENTAL THERMAL DISADVANTAGE FACTORS IN SOME VERY UNDERMODERATED 3 PERCENT ENRICHED WATER - URANIUM OXIDE LATTICES

65-12-00 BOYNTON, A. R. / PLUMLEE, K. E. /
REDMAN, W. C. / ROBINSON, W. R. /
STANFORD, G. S.

821 HIGH CONVERSION (HI-C) CRITICAL EXPERIMENT

66-06-00 BOYNTON, A. R. / PENNINGTON, E. M.

892 CRITICAL EXPERIMENTS AND CALCULATIONS IN SOME VERY UNDERMODERATED, SLIGHTLY ENRICHED, URANIUM OXIDE/WATER LATTICES

A word of caution on the use of these keyterm and keyphrase concordances: possibly, in our effort to keep the number of citations manageable, we have not included some terms that others might consider relevant. Also, some relevant terms simply could not be included due to the exceedingly large number of reports listed under the term. Such terms are, for example, "experiment", "critical", and "uranium". Also, for more than three decades, authors have not used a consistent terminology to describe their work. Examples are "Oralloy" for highly enriched uranium, "Tuballoy" for natural uranium, a "tamped" system for a reflected system, and "Perspex" in the United Kingdom for plexiglas or methyl methacrylate plastic. We did not consider it appropriate to standardize these terms since they reflect prevalent usage in certain time periods.

HOW WE CREATED THE BIBLIOGRAPHY BY COMPUTER

Starting in 1968, relevant reports have been collected at LLL in a library of criticality documents. This collection has been augmented through selective searching and retrieval of pertinent reports from the literature by LLL's Technical Information Department (TID). More recently, we have used the large computer-based information systems of the National Technical Information Service (NTIS) and of the U.S. Department of Energy (DOE/RECON) to obtain citations to the pertinent literature of criticality experiments. This search and retrieval especially pertains to RECON's Nuclear Science Abstracts (NSA) and its Energy Data Base (DOE/EDB). Keyboarding was carried out directly from marked-up documents.

We used the MASTER CONTROL database management system to create the databases, to verify and proof the text of citations, and to search interactively.^{8,9} The system also permits direct correlation with corresponding numerical data of criticality experiments and the printing of a variety of different report formats. Although interactive search and retrieval with MASTER CONTROL can provide immediate and up-to-date insight into the state of a particular type of a criticality experiment, or can provide the results of corresponding machine calculations, these three printed volumes can be used without a computer terminal. We have developed during the past 10 years a sophisticated set of postprocessing routines that take computer output generated by MASTER CONTROL and format it in a variety of fonts and options into camera-ready copy for printing.^{10,11} We used the high-resolution hardcopy cameras of the FR80 output devices, directly linked with LLL computers,* to create this criticality bibliography.

*OCTOPUS network of four CDC-7600s, two CDC-STARs, and a CRAY.

ACKNOWLEDGMENTS

This work has benefited from the encouragement and expert technical advice of Hugh C. Paxton (Los Alamos Scientific Laboratory), and Robert J. Howerton (LLL).

We acknowledge gratefully the assistance of many experimenters, especially A. Dixon Callihan, Jack H. Chalmers (United Kingdom), and Joseph T. Thomas. Editing and indexing of the bibliographic material was carried out by the authors, with the assistance of Frederick E. McMurphy, Ronald P. Koopman, and Barbara Mallon. The keyboarding of the citations was done, among others, with diligence and exactness by Beverly J. Bear and the late Adelle Larson. H. Leonard Fisher of TID executed the thorough search of the literature, manually and by computer. Bob Kuhn of the Computation Department wrote the postprocessing routines that permitted direct creation of the camera-ready copy. Larry Gottlieb of TID served as editor.

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11. R. W. Kuhn, K. W. Johnson, and H. Moll, *Post-Processing of MASTER CONTROL Output*, Lawrence Livermore Laboratory, Livermore, CA, UCID-17739 (1978).

SUBJECT INDEX:

KEYPHRASE CONCORDANCE ON TITLES

LLL BIBLIOGRAPHY OF CRITICAL EXPERIMENTS
CONCORDANCE ON KEYPHRASES IN TITLES

A

ABSORBING MEMBRANES

- 57-04-00 VOORHIS, A. D. / RYAN, T. M. / GOLDSMITH, M. / JONES, R. T. 2075 EXPERIMENTAL AND THEORETICAL STUDY OF CRITICAL SLABS. EFFECT OF ABSORBING MEMBRANES OF CADMIUM, GOLD, AND BORON

ACTINIDE ELEMENTS

- 71-09-00 CLAYTON, E. D. / BIERMAN, S. R. 1663 CRITICALITY PROBLEMS OF ACTINIDE ELEMENTS.

ADVANCED EPITHERMAL THORIUM

- 65-04-00 MOUNTFORD, L. A. / MOREWITZ, H. A. 427 THE ADVANCED EPITHERMAL THORIUM REACTOR (AETR) CRITICAL EXPERIMENTS
- 65-04-00 STROMINGER, D. / SCHLESINGER, G. 429 FISSION-RATE MEASUREMENTS IN THE ADVANCED EPITHERMAL THORIUM REACTOR (AETR) CRITICAL EXPERIMENTS

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- 65-03-00 DAVEY, W. G. 450 AN ANALYSIS OF SIX AETR FAST CRITICAL EXPERIMENTS
- 65-04-00 MOUNTFORD, L. A. / MOREWITZ, H. A. 427 THE ADVANCED EPITHERMAL THORIUM REACTOR (AETR) CRITICAL EXPERIMENTS
- 65-04-00 STROMINGER, D. / SCHLESINGER, G. 429 FISSION-RATE MEASUREMENTS IN THE ADVANCED EPITHERMAL THORIUM REACTOR (AETR) CRITICAL EXPERIMENTS

ALCO PRODUCTS

- 58-07-16 NOAKS, J. W. 2055 THE ALCO PRODUCTS, INC. CRITICALITY FACILITY. DESCRIPTION AND OPERATION

ALPHA-PHASE PLUTONIUM

- 58-09-10 RALSTON, H. R. 17 CRITICAL PARAMETERS OF SPHERICAL SYSTEMS OF ALPHA-PHASE PLUTONIUM REFLECTED BY BERYLLIUM

ALUMINUM

- 61-11-02 WOOD, D. P. / PENA, B. 23 CRITICAL MASS MEASUREMENTS OF ORALLOY AND PLUTONIUM CORES IN SPHERICAL ALUMINUM REFLECTORS
- 66-10-10 BUTLER, D. K. / DOERNER, R. C. / KNAPP, W. G. 919 MEASUREMENTS AND ANALYSIS OF ALUMINUM-, ALUMINUM TRIOXIDE- AND BERYLLIUM OXIDE-, REFLECTED FAST CRITICAL EXPERIMENTS

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- 61-11-02 WOOD, D. P. / PENA, B. 23 CRITICAL MASS MEASUREMENTS OF ORALLOY AND PLUTONIUM CORES IN SPHERICAL ALUMINUM REFLECTORS

ALUMINUM-REFLECTED FAST REACTORS

- 67-02-00 KNAPP, W. G. / DOERNER, R. C. 118 PHYSICS MEASUREMENTS WITH MODIFIED DILUENT COMPOSITIONS IN TUNGSTEN-BASED, ALUMINUM-REFLECTED FAST REACTORS
- 67-03-00 DOERNER, R. C. / KNAPP, W. G. / ALMENAS, K. K. / KARAM, R. A. 119 PHYSICS MEASUREMENTS IN TUNGSTEN-BASED, ALUMINUM-REFLECTED FAST REACTORS

**LLL BIBLIOGRAPHY OF CRITICAL EXPERIMENTS
CONCORDANCE ON KEYPHRASES IN TITLES**

ALUMINUM-WATER MODERATOR

47-08-18 MANN, M. M. / MARTIN, A. B.	1986 CRITICAL EXPERIMENTS ON A SMALL REACTOR OF ENRICHED URANIUM-235 WITH ALUMINUM-WATER MODERATOR AND DEUTERIUM OXIDE, BERYLLIUM, AND WATER REFLECTORS
48-08-17 MARTIN, A. B. / MANN, M. M.	1975 FURTHER CRITICAL EXPERIMENTS ON A SMALL REACTOR OF ENRICHED URANIUM-235 WITH ALUMINUM-WATER MODERATOR AND A BERYLLIUM REFLECTOR

ANNA CRITICAL

71-00-00 DABROWSKI, C. / MALEWSKI, S.	1814 PHYSICAL AND GEOMETRICAL PARAMETERS OF ANNA CRITICAL ASSEMBLIES. PART 1.
73-00-00 MALEWSKI, S. / DABROWSKI, C.	1941 PHYSICAL AND GEOMETRICAL PARAMETERS OF ANNA CRITICAL ASSEMBLIES. PART-2
73-10-00 DABROWSKI, C. / MALEWSKI, S.	1534 ANALYSIS OF THE PHYSICAL PARAMETERS OF THE ANNA CRITICAL ASSEMBLY

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58-08-01 FOX, J. K. / GILLEY, L. W.	372 CRITICAL PARAMETERS FOR POISONED ANNULAR CYLINDERS CONTAINING AQUEOUS SOLUTIONS OF URANIUM-235
63-08-01 MIHALCZO, J. T.	1197 CRITICAL EXPERIMENTS AND CALCULATIONS WITH ANNULAR CYLINDERS OF URANIUM(93.2) METAL
63-11-00 MIHALCZO, J. T.	1475 CRITICAL EXPERIMENTS AND CALCULATIONS WITH ANNULAR CYLINDERS OF URANIUM(93.2) METAL
64-00-00 MOLBERT, M. / SAUVE, A. / HOUELLE, M. / DEILGAT, E.	279 CRITICALITY EXPERIMENTS WITH ANNULAR CYLINDERS CONTAINING PLUTONIUM SOLUTIONS
64-12-00 MIHALCZO, J. T.	832 CRITICAL EXPERIMENTS AND CALCULATIONS WITH REFLECTED ANNULAR CYLINDERS OF URANIUM(93.2) METAL

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64-09-00 MIHALCZO, J. T.	2 PROMPT-NEUTRON LIFETIME IN CRITICAL ENRICHED-URANIUM METAL CYLINDERS AND ANNULI
65-11-00 MIHALCZO, J. T.	838 CRITICAL URANIUM METAL ANNULI REFLECTED WITH POLYTHENE AND GRAPHITE
66-06-00 JOHNSON, E. B.	894 CRITICAL PARAMETERS OF URANIUM (1.95) METAL CYLINDRICAL ANNULI
70-06-00 JOHNSON, E. B.	1916 CRITICALITY OF URANIUM(3.85) RODS AND CYLINDRICAL ANNULI IN WATER.
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66-04-07 CROSBIE, K. L. / RUSSELL, J. L.	1191 HAZARDS SUMMARY REPORT FOR APFA-III

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55-09-23 GALLAGHER, J. G. / GIESLER, H. W. / JOHNSON, W. R.	2065 CRITICAL MASS CALCULATION FOR APPR-1 CRITICAL EXPERIMENT

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56-11-07 GIESLER, H. W.

2066 RESULTS AND ANALYSIS OF THE APPR-1 ZERO POWER EXPERIMENTS.
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68-04-00 WEBSTER, J. W.

579 MINIMUM THICKNESS OF A WATER-REFLECTED INFINITE SLAB OF AN
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71-10-00 JOHNSON, E. B.

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56-11-05 FOX, J. K. / GILLEY, L. W.

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58-00-00 FOX, J. K. / GILLEY, L. W.

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59-09-23 FOX, J. K. / GILLEY, L. W. / ROHRER,
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63-03-27 MASTERSON, R. H. / WHITE, J. D. /
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65-00-00 DUBOVSKII, B. G. / KAMAEV, A. V. /
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65-11-00 DUBOVSKII, B. G. / ET AL

405 CRITICAL PARAMETERS OF AQUEOUS SOLUTIONS OF URANYL NITRATE
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66-09-00 JONES, L. L. / ROMESBURG, H. C.

793 CRITICAL DIMENSION OF URANIUM-235 AQUEOUS SOLUTIONS
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67-08-00 WEBSTER, J. W. / JOHNSON, E. B.

885 CRITICALITY OF AQUEOUS SOLUTIONS OF 5 PERCENT ENRICHED
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67-10-00 WEBSTER, J. W.

439 CALCULATED NEUTRON MULTIPLICATION FACTORS OF UNIFORM
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68-00-00 THOMAS, J. T.

1211 CRITICAL EXPERIMENTS WITH AQUEOUS SOLUTIONS OF URANIUM-
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76-07-00 JOHNSON, E. B.

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54-06-17 CRONIN, D. F. / CALLIHAN, A. D.

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64-11-00 JOHNSON, E. B. / CRONIN, D. F.

808 CRITICAL DIMENSIONS OF AQUEOUS URANIUM DIOXIDE FLUORIDE
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64-12-00 JOHNSON, E. B. / CRONIN, D. F.

738 CRITICAL DIMENSIONS OF AQUEOUS URANIUM DIOXIDE FLUORIDE
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58-03-04 FOX, J. K./ GILLEY, L. W./
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56-09-20 CLARKE, W. G./ HORTON, C. C./
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63-02-06 THOMAS, J. T./ FOX, J. K./ JOHNSON,
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64-08-00 NAUDET, R. / CHABRILLAC, M. /
LEDANOIS, G. / LOURME, P. | 723 CRITICAL EXPERIMENTS IN AQUILON WITH FUELS SLIGHTLY
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66-10-10 BARLEON, L./ BAYER, A./ BRUCKNER,
C./ BURKART, K./ FIEG, G./ KUHN, D.
/ KUSSMAUL, G./ MEISTER, H./
SEUFERT, H./ STEGEMANN, D./ WERLE,
H.	917 EVALUATION OF REACTOR PHYSICS EXPERIMENTS ON THE COUPLED
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70-02-00 COEHOORN, J./ KLIPPEL, H. TH./ DE
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61-06-00 DE VILLIERS, J. W. L. / BAIRD, O.
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KIYOSE, R. / PLUMLEE, K. E.	1495 CRITICAL EXPERIMENTS FOR THE PRELIMINARY DESIGN OF THE
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61-06-00 JULIANO, J. O. / KELBER, C. N. /
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68-02-00 BLAINE, R./ FROELICH, R./
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PRUVOST, N. L. / PEFLEY, G. V. PLUTONIUM METAL PARTS
71-05-10 FINN, H. F. / PRUVOST, N. L. / 1817 SUMMARY OF EXPERIMENTALLY DETERMINED PLUTONIUM ARRAY
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58-10-02 FOX, J. K. / GILLEY, L. W. 1971 CRITICAL EXPERIMENTS WITH ARRAYS OF ORR AND BSR FUEL
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63-08-26 SCHUSKE, C. L./	208 TWO EXPERIMENTAL SUBCRITICAL ARRAYS OF PLUTONIUM NITRATE SOLUTION
63-10-01 THOMAS, J. T.	206 CRITICAL THREE DIMENSIONAL ARRAYS OF NEUTRON-INTERACTING UNITS
64-01-00 CLARK, H. K.	481 COMPARISON OF A SIMPLE THEORETICAL TREATMENT OF CRITICAL ARRAYS OF FISSIONABLE UNITS WITH EXPERIMENT
64-07-00 THOMAS, J. T.	110 CRITICAL THREE-DIMENSIONAL ARRAYS OF NEUTRON-INTERACTING UNITS, PART-2 - URANIUM METAL ENRICHED TO 93.2 PERCENT IN THE URANIUM-235 ISOTOPE
64-11-00 CLARK, H. K.	1011 APPLICATION OF A SIMPLE, PRACTICAL METHOD FOR COMPUTING INTERACTION TO ARRAYS FOUND EXPERIMENTALLY TO BE CRITICAL
65-11-00 KOLAR, O. C. / MORTON, J. R. / PRUVOST, N. L.	768 INTERACTION IN ARRAYS OF FISSIONABLE MATERIALS
66-06-00 FOX, J. K.	616 ACCURACY OF REACTOR CODES FOR CRITICALITY CALCULATIONS ON ARRAYS OF FUEL ELEMENTS IN WATER WITH VARIOUS WATER GAPS
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67-06-00 LLOYD, R. C./ CLAYTON, E. D.	896 INTERACTING ARRAYS OF CONTAINERS WITH URANIUM-233 SOLUTION
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56-07-20 POND, J. A.

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58-09-00 POPOVIC, D.

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37 BARE CRITICAL ASSEMBLIES OF ORALLOY AT INTERMEDIATE
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60-12-00 STEWART, L.

406 LEAKAGE NEUTRON SPECTRUM FROM A BARE PLUTONIUM-239 CRITICAL
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61-06-06 FINKE, R. G.

25 PRELIMINARY RESULTS OF HIGH-TEMPERATURE BARE URANIUM-235-
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70-07-00 CHOW, R. H. / BIERMAN, S. R.

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74-03-00 HOOGERP, J. C. / HANSEN, G. E. /
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56-05-00 PAXTON, H. C. / GRAVES, G. A.

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61-12-00 ENGELDER, T. C. / SNIDOW, N. L. /
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68-02-00 BLAINE, R. / FROELICH, R. /
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67-08-00 WINDSOR, H.	1119 BUCKLING MEASUREMENTS IN WATER-MODERATED AND -REFLECTED EXPONENTIAL EXPERIMENTS
68-06-00 TANNER, C. J. / ANDREWS, D. G.	44 BUCKLING MEASUREMENTS IN A HEAVY WATER SUPERLATTICE
69-03-00 BROWN, C. L. / HANSEN, L. E.	1143 MATERIAL BUCKLING MEASUREMENTS WITH 2.1 WEIGHT PERCENT URANIUM-235 ENRICHED URANIUM TUBES IN LIGHT WATER
69-10-01 PRICE, G. A. / WINDSOR, H.	1238 PLUTONIUM-ALUMINUM-WATER BUCKLING MEASUREMENTS
70-03-00 MITAKE, S. / WATARUMI, C. / MIYAWAKI, Y. / TAKEDA, E.	1730 EXPERIMENTAL STUDIES ON 20 PERCENT ENRICHED URANIUM-LIGHT WATER ASSEMBLY. 3. CRITICAL BUCKLING MEASUREMENTS.

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53-04-06 CHERNICK, J.	2034 ANALYSIS OF THE CLEAN BUCKLINGS OF 1.3 PERCENT ENRICHED URANIUM-WATER LATTICES
59-04-20 ENDRES, G. W. R. / WOOD, D. E.	817 MATERIAL BUCKLINGS OF GRAPHITE-URANIUM LATTICES
61-00-00 BACHER, P. / NAUDET, R.	1873 MEASUREMENTS OF BUCKLINGS BY THE PROGRESSIVE REPLACEMENT METHOD.
61-06-00 HURLEY, T. J. / FIKE, H. R. / O'NEILL, G. F.	1492 NATURAL URANIUM-HEAVY-WATER BUCKLINGS OVER AN EXTENDED RANGE OF PITCH AND FUEL ASSEMBLY SIZE
61-11-00 WINGFIELD, E. C. / HENNELLY, E. J.	2000 COMPARISON OF EXPONENTIAL AND CRITICAL BUCKLINGS FOR NATURAL URANIUM RODS IN HEAVY WATER
62-03-00 HURLEY, T. J. / FIKE, H. R. / O'NEILL, G. F.	1053 EXPERIMENTAL BUCKLINGS OF HEAVY WATER MODERATED LATTICES OF NATURAL URANIUM METAL ROD CLUSTERS

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63-06-00 GRAVES, W. E. / FIKE, H. R. / O'NEILL, G. F.	1030 EXPERIMENTAL BUCKLINGS AND VOID EFFECTS IN HEAVY WATER LATTICES OF NATURAL URANIUM OXIDE ROD CLUSTERS
63-06-00 WINDSOR, H.	2047 BUCKLINGS AND DISADVANTAGE FACTORS OF SEVERAL WATER-MODERATED, 1.25%-ENRICHED URANIUM METAL SLAB LATTICES
63-06-00 BENTON, F. D. / GRAVES, W. E.	2048 MEASUREMENTS OF BUCKLINGS AND VOID EFFECTS IN HEAVY-WATER-MODERATED, ORGANIC- OR WATER-COOLED LATTICES OF URANIUM DIOXIDE ROD CLUSTERS
64-06-00 BENTON, F. D.	716 MEASUREMENTS OF BUCKLINGS AND VOID EFFECTS IN HEAVY WATER MODERATED, ORGANIC OR WATER COOLED LATTICES OF URANIUM DIOXIDE ROD CLUSTERS
64-08-01 SPECHT, E. R.	721 MATERIAL BUCKLINGS OF CRITICAL AND SUBCRITICAL URANIUM CARBIDE FUELED GRAPHITE ASSEMBLIES PART-2 THEORETICAL INTERPRETATION
64-11-00 LIKALA, R. C. / STINSON, W. P. / WORDEN, J. R.	798 CRITICAL MASSES AND BUCKLINGS OF PLUTONIUM DIOXIDE-URANIUM DIOXIDE-WATER SYSTEMS
64-11-00 HILLIG, O. R. / LATHAM, D. W.	802 MATERIAL BUCKLINGS OF URANIUM CARBIDE FUELED GRAPHITE ASSEMBLIES - MEASUREMENTS
64-12-01 HILLIG, O. R. / LATHAM, D. W.	741 MATERIAL BUCKLINGS OF CRITICAL AND SUBCRITICAL URANIUM CARBIDE FUELED GRAPHITE ASSEMBLIES. PART 1. EXPERIMENT
65-10-00 SERDULA, K. J. / GREEN, R. E.	782 LATTICE MEASUREMENTS WITH 19-ELEMENT NATURAL URANIUM METAL ASSEMBLIES. PART 1 - BUCKLINGS FOR A RANGE OF SPACINGS WITH HEAVY WATER AND HELIUM COOLANTS
65-10-15 BROWN, C. L. / LLOYD, R. C.	777 MEASUREMENTS OF MATERIAL BUCKLINGS FOR 1.002, 1.25 AND 1.95 PERCENT WEIGHT URANIUM-235 ENRICHED URANIUM TUBE LATTICES IN LIGHT WATER
66-06-00 GREEN, R. E. / KAY, R. E. / OKAZAKI, A. / CASINI, G. / METZDORF, H. J. / PAILLON, M.	890 EXPERIMENTAL BUCKLINGS FOR SEVEN-ROD CLUSTERS OF NATURAL URANIUM CARBIDE IN HEAVY WATER MODERATOR
66-07-00 SERDULA, K. J.	792 LATTICE MEASUREMENTS WITH 28 - ELEMENT NATURAL URANIUM DIOXIDE FUEL ASSEMBLIES PART 1. BUCKLINGS FOR A RANGE OF SPACINGS WITH THREE COOLANTS
67-01-00 BROWN, C. L. / LLOYD, R. C.	543 MATERIAL BUCKLINGS FOR 1.002, 1.25, AND 1.95 WT% URANIUM-235- ENRICHED URANIUM TUBES IN LIGHT WATER

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66-06-00 OLSON, R. L. / GRAVES, W. E.	893 CRITICAL EXPERIMENTS WITH HIGHLY BURNED-UP PLUTONIUM IN HEAVY WATER

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61-00-00 BLOKHIN, G. E. / BLOKHINTSEV, D. I. / BLYUMKINA, YU. A. / BONDARENKO, I. I. / DERYAGIN, B. I. / ZAIMOVSKII, A. S. / ET AL	336 A FAST NEUTRON BURST REACTOR
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52-12-07 ZIMMERMAN, E. L.

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69-03-00 BARRE, J. Y. / RAVIER, J.

1394 USE OF INTEGRAL EXPERIMENTS TO IMPROVE THE CADARACHE CROSS SECTION SET - SET VERSION NO. 2 - APPLICATION TO PHENIX

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57-04-00 VOORHIS, A. D. / RYAN, T. M. /
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2075 EXPERIMENTAL AND THEORETICAL STUDY OF CRITICAL SLABS.
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55-09-23 GALLAGHER, J. G. / GIESLER, H. W. /
JOHNSON, W. R.

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58-03-00 HOFMANN, P. L. / STORM, M. L.

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1097 CALCULATION OF HETEROGENEITY EFFECTS IN ZPR-3 FAST
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1195 MEASUREMENT AND CALCULATION OF THE PROMPT-NEUTRON DECAY
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66-10-10 HELM, F. / TRAVELLI, A.

936 CALCULATION OF THE SODIUM-VOIC² EFFECT IN LARGE CARBIDE CORES

69-06-13 SMITH, J. C. / ATKINSON, H. / MC
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1364 VERA CORE 18: AN ASSEMBLY BUILT TO TEST CALCULATION METHODS
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58-03-31 REYNOLDS, H. L.

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273 CRITICAL MEASUREMENTS AND CALCULATIONS FOR ENRICHED-URANIUM
GRAPHITE-MODERATED SYSTEMS

59-11-00 NESTOR, C. W.

2038 A COMPARISON OF SOME CRITICALITY CALCULATIONS WITH
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60-09-00 LINGENFELTER, R. E.

257 CRITICALITY CALCULATIONS OF BERYLLIUM OXIDE-MODERATED
ENRICHED URANIUM SYSTEMS

61-08-24 KINNEY, W. E. / MIHALCZO, J. T.

34 OAK RIDGE NATIONAL LABORATORY FAST BURST REACTOR: CRITICAL
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61-11-00 MIHALCZO, J. T. / KINNEY, W. E.

2004 EXPERIMENTS AND CALCULATIONS ON UNMODERATED URANIUM-
MOLYBDENUM ALLOY CRITICAL ASSEMBLIES

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63-11-00 MIHALCZO, J. T.	1475 CRITICAL EXPERIMENTS AND CALCULATIONS WITH ANNULAR CYLINDERS OF URANIUM(93.2) METAL
64-02-00 DAVEY, W. G.	455 CALCULATIONS OF K FOR SOME SMALL URANIUM-233-, URANIUM-235- AND PLUTONIUM-239- FUELED FAST REACTORS
64-06-00 BRUNA, J. G. / BRUNET, J. P. /
CLOUET D'ORVAL, C. / KREMSER, J.	717 CRITICALITY EXPERIMENT ON A SOLUTION OF PLUTONIUM AND OF 90% ENRICHED URANIUM. EXPERIMENTAL RESULTS AND CALCULATIONS ON TANK NUMBER 2
64-11-00 IRVING, D. C. / MIHALCZO, J. T.	801 MONTE CARLO CALCULATIONS FOR ENRICHED URANIUM METAL ASSEMBLIES
64-11-00 MENEGHETTI, D. / WHITE, J. R.	1287 CALCULATIONS OF ZPR-3 FAST ASSEMBLIES USING A TWENTY-SIX-GROUP CROSS-SECTION SET.
64-12-00 MIHALCZO, J. T.	832 CRITICAL EXPERIMENTS AND CALCULATIONS WITH REFLECTED ANNULAR CYLINDERS OF URANIUM(93.2) METAL
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65-09-00 STRAWBRIDGE, L. E. / BARRY, R. F.	515 CRITICALITY CALCULATIONS FOR UNIFORM WATER-MODERATED LATTICES
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66-10-10 THOMAS, J. T.	928 MONTE CARLO CALCULATIONS OF FAST MULTICOMPONENT CRITICAL SYSTEMS
67-03-00 MIHALCZO, J. T.	553 MULTIPLICATION FACTOR OF URANIUM METAL BY ONE-VELOCITY MONTE CARLO CALCULATIONS
67-05-23 UOTINEN, V. O. / WILLIAMS, L. D.	1890 EXPERIMENTS AND CALCULATIONS FOR WATER-MODERATED ASSEMBLIES CONTAINING URANIUM DIOXIDE -- 2 WT% PLUTONIUM DIOXIDE FUEL RODS
67-09-00 FOX, J. K.	104 COMPARISON OF ORNL CLEAN CRITICAL EXPERIMENTS WITH CALCULATIONS
68-00-00 MIHALCZO, J. T.	1205 MONTE CARLO CALCULATIONS OF THICK-GRAPHITE-REFLECTED URANIUM-METAL CRITICAL ASSEMBLIES
68-03-04 PITTERLE, T. A. / PAGE, E. M. /
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68-11-00 MIHALCZO, J. T.	1411 MONTE CARLO CALCULATIONS OF TWO-CORE DELAYED CRITICAL ASSEMBLIES
69-10-27 CREMER, C. C. / HUNTER, R. E. / BERLIJN, J. H. / WORLTON, D. R.	998 COMPARISON OF CALCULATIONS WITH INTEGRAL EXPERIMENTS FOR PLUTONIUM AND URANIUM CRITICAL ASSEMBLIES
70-02-00 COEHOORN, J. / KLIPPEL, H. TH. / DE MEULEMEESTER, F. M. /	1865 MEASUREMENTS AND CALCULATIONS ON THERMAL, ARGONAUT TYPE, CORES IN THE STEK-FACILITY AT PETTEN.
70-03-00 VOLPE, J. J. / HARDY, J. / KLEIN, D.	831 A COMPARISON OF THERMAL NEUTRON ACTIVATION MEASUREMENTS AND MONTE CARLO CALCULATIONS IN LIGHT-WATER-MODERATED URANIUM CELLS
70-06-00 FOX, J. K.	1927 COMPARISONS OF EXPERIMENT WITH CALCULATIONS FOR STRONGLY ABSORBING ROD LATTICES.
70-08-05 THOMAS, J. T.	1436 URANIUM METAL CRITICALITY, MONTE CARLO CALCULATIONS AND NUCLEAR CRITICALITY SAFETY
70-11-00 HUNT, D. C. / ROTHE, R. E.	1737 CRITICALITY CALCULATIONS AND MEASUREMENTS ON ENRICHED URANIUM METAL-SOLUTION COMBINATIONS.
71-06-00 HIRONS, THOMAS J. / BATTAT, M. E.	1636 CALCULATIONS OF FAST CRITICAL ASSEMBLIES USING LASL AND ENDF/B VERSION II DATA.
74-06-13 HANDLEY, G. R. / HOPPER, C. M.	1702 VALIDATION OF THE KENO CODE FOR NUCLEAR CRITICALITY SAFETY CALCULATIONS OF MODERATED, LOW-ENRICHED URANIUM SYSTEMS
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76-04-00 KOLAR, O. C. / FINN, H. F. / PRUVOST, N. L.	1587 LIVERMORE PLUTONIUM ARRAY PROGRAM: EXPERIMENTS AND CALCULATIONS
77-11-00 DURST, B. M. / BIERMAN, S. R. / CLAYTON, E. D.	1457 BENCHMARK CALCULATIONS FOR SUBCRITICAL CLUSTERS OF 2.35 WT% URANIUM-235 ENRICHED URANIUM DIOXIDE RODS IN WATER WITH FIXED NEUTRON POISONS

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54-05-00 JOSEPHSON, V.	134 CRITICAL MASS MEASUREMENT ON ORALLOY IN TUBALLOY AND TUNGSTEN CARBIDE TAMPERS

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61-05-00 HUBER, R. J. / LONG, J. K. / MC VEAN, R. L. / GASIDLO, J. M.	85 CRITICAL STUDIES OF A DILUTE CARBIDE FAST REACTOR (CORE ZPR-3 ASSEMBLY 34)
63-04-00 MC VEAN, R. L. / AMUNDSON, P. I. / BRUNSON, G. S. / GASIDLO, J. M.	80 CRITICAL STUDIES OF A SMALL URANIUM CARBIDE FUELED REACTOR WITH A BERYLLIUM REFLECTOR (ZPR-3 ASSEMBLY 40)
64-08-01 SPECHT, E. R.	721 MATERIAL BUCKLINGS OF CRITICAL AND SUBCRITICAL URANIUM CARBIDE FUELED GRAPHITE ASSEMBLIES PART-2 THEORETICAL INTERPRETATION
64-11-00 HILLIG, O. R. / LATHAM, D. W.	802 MATERIAL BUCKLINGS OF URANIUM CARBIDE FUELED GRAPHITE ASSEMBLIES - MEASUREMENTS
64-12-01 HILLIG, O. R. / LATHAM, D. W.	741 MATERIAL BUCKLINGS OF CRITICAL AND SUBCRITICAL URANIUM CARBIDE FUELED GRAPHITE ASSEMBLIES. PART 1. EXPERIMENT
65-01-00 RUSCH, G. K. / BOHME, E. R. / DATES, L. R. / GRIFONI, S. / KATO, W. Y. / MAIN, G. W. / MEISTER, H. / NOZAWA, M. / STOVER, R. L.	833 INVESTIGATIONS OF A 600 LITRE URANIUM CARBIDE CORE (ZPR-6 ASSEMBLY NO. 2)
66-06-00 GREEN, R. E. / KAY, R. E. / OKAZAKI, A. / CASINI, G. / METZDORF, H. J. / PAILLON, M.	890 EXPERIMENTAL BUCKLINGS FOR SEVEN-ROD CLUSTERS OF NATURAL URANIUM CARBIDE IN HEAVY WATER MODERATOR
66-10-10 RUSCH, G. K. / KARAM, R. A. / KATO, W. Y. / MAIN, G. W.	923 PHYSICS PARAMETERS OF LARGE DILUTE URANIUM CARBIDE CORES
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66-12-00 KARAM, R. A. / ANCARANI, A. / HELM, F. / KATO, W. Y. / MAIN, G. W. / RUSCH, G. K.	121 MEASURED PHYSICS PARAMETERS IN A ZONED FAST URANIUM CARBIDE CORE, ASSEMBLY 42
69-11-00 KARAM, R. A. / MARSHALL, J. E.	1769 CRITICAL MASS SENSITIVITY TO THE TREATMENT OF HETEROGENEITY EFFECTS IN A LARGE URANIUM CARBIDE FAST CORE, ASSEMBLY 5 OF ZPR-6.
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67-06-00 HYLAND, R. E. / PINCOCK, G. D. / KUNZE, J. F. / WOOD, R. E.	215 EXPERIMENTAL RESULTS FROM LARGE CAVITY REACTOR CRITICAL
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68-05-22 PINCOCK, G. D. / KUNZE, J. F. / WOOD, R. E. / HYLAND, R. E.	33 CAVITY REACTOR ENGINEERING MOCKUP CRITICAL EXPERIMENT
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68-08-08 NONE	1134 CAVITY REACTOR CRITICAL EXPERIMENT PROGRESS REPORT FOR THE PERIOD INCEPTION THROUGH JULY 31, 1968
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69-02-00 KUNZE, J. F. / PINCOCK, G. D. / HYLAND, R. E.	601 CAVITY REACTOR CRITICAL EXPERIMENTS

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66-10-10 MIHALCZO, J. T.	924 PROMPT-NEUTRON TIME BEHAVIOR IN DELAYED-CRITICAL COUPLED URANIUM-METAL CYLINDERS
68-07-00 CHEZEM, C. G.	513 INVESTIGATION OF THE CRITICALITY OF LOW-ENRICHMENT URANIUM CYLINDERS
69-06-00 CRUME, E. C. / THOMAS, J. T.	1413 CRITICAL AND NEAR-CRITICAL GRAPHITE-MODERATED ARRAYS OF URANIUM(93.2) CYLINDERS
71-10-00 JOHNSON, E. B.	1646 NUCLEAR CRITICALITY OF INTERSECTING CYLINDERS OF 5% URANIUM-235 ENRICHED URANYL FLUORIDE AQUEOUS SOLUTION
72-04-28 MIHALCZO, J. T.	1462 GRAPHITE AND POLYETHYLENE REFLECTED URANIUM-METAL CYLINDERS AND ANNULI
72-12-00 MIHALCZO, J. T.	1966 CRITICALITY OF GRAPHITE- AND POLYETHYLENE-REFLECTED URANIUM(93.2)-METAL CYLINDERS AND ANNULI
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74-07-00 ROTHE, R. E. / HUNT, D. C.	1544 EFFECT OF POSITION IN THE CRITICALITY OF URANIUM SPHERES IN URANIUM SOLUTION CYLINDERS
74-10-31 JOHNSON, E. B.	1711 NUCLEAR CRITICALITY OF INTERSECTING CYLINDERS OF AQUEOUS URANYL FLUORIDE SOLUTIONS

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51-10-27 MALLARY, E. C.	135 ORALLOY CYLINDRICAL SHAPE FACTOR AND CRITICAL MASS MEASUREMENTS IN GRAPHITE, PARAFFIN, AND WATER TAMPERS
56-11-00 LEVINE, S. H. / JOHNSON, P. G.	2078 AN ALUMINUM-URANIUM CRITICAL ASSEMBLY IN CYLINDRICAL GEOMETRY
57-09-00 KLOVERSTROM, F. A.	27 SPHERICAL AND CYLINDRICAL PLUTONIUM CRITICAL MASSES
60-03-00 SMITH, J. C. / PARKER, A. V. / WALFORD, J. G. / WHITE, C.	639 CRITICALITY OF 30 PERCENT ENRICHED URANIUM SOLUTIONS IN CYLINDRICAL GEOMETRY. INTERIM REPORT

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60-11-00 RUTLEDGE, G. P. / KANTORCZYK, P. A.	682 NUCLEAR ANALYSIS OF THERMAL REFLECTED CYLINDRICAL HOMOGENEOUS CRITICAL ASSEMBLIES
61-09-01 FOX, J. K.	868 CRITICAL PARAMETERS OF SOLUTIONS OF URANIUM-235 ENRICHED URANYL NITRATE IN CYLINDRICAL CONTAINERS
63-08-01 MIHALCZO, J. T.	1198 PROMPT-NEUTRON DECAY PROPERTIES AND CRITICAL DIMENSIONS OF UNMODERATED CYLINDRICAL URANIUM(93.2) METAL ASSEMBLIES WITH LARGE GAPS
66-06-00 JOHNSON, E. B.	894 CRITICAL PARAMETERS OF URANIUM (1.95) METAL CYLINDRICAL ANNULI
66-08-00 FOX, T. A. / MUELLER, R. A. / FORD, C. H.	2091 CRITICAL MASS STUDIES WITH THE NASA ZERO POWER REACTOR II. II-- HETEROGENEOUS ARRAYS OF CYLINDRICAL VOIDS
70-03-00 BOULY, J. C. / CAIZERGUES, R. / DEILGAT, E. / HOUELLE, M. / MAUBERT, L.	1461 NEUTRON INTERACTION IN AIR BETWEEN CYLINDRICAL CONTAINERS HOLDING EITHER URANIUM OR PLUTONIUM SOLUTIONS
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55-12-00 GELBARD, E. M.	2077 ANALYSIS OF DCTF CRITICALITY AND REACTIVITY DATA

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70-11-00 KAISER, R. E. / NORRIS, R. J. / OLSON, A. P. / PAIK, N. C.	1739 PREDICTED CHARACTERISTICS WITH ACTUAL OBSERVATION FOR THE DEMONSTRATION REACTOR BENCHMARK ASSEMBLY ZPPR-2.
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71-06-00 KAISER, R. E. / AMUNDSON, P. I. / FORRESTER, R. J. / NEWMARK, B.	1630 MEASUREMENT AND ANALYSIS OF SPACE-DEPENDENT PARAMETERS IN A DEMONSTRATION PLANT BENCHMARK CRITICAL.

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47-08-18 MANN, M. M. / MARTIN, A. B.	1986 CRITICAL EXPERIMENTS ON A SMALL REACTOR OF ENRICHED URANIUM-235 WITH ALUMINUM-WATER MODERATOR AND DEUTERIUM OXIDE, BERYLLIUM, AND WATER REFLECTORS

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55-08-00 COHEN, E. R.	1953 EXPONENTIAL EXPERIMENTS ON DEUTERIUM-OXIDE--URANIUM LATTICES

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60-03-00 STONE, S. P. / LINGENFELTER, R. E.	20 NEUTRON DIFFUSION THEORY PROGRAMS AND THEIR APPLICATION TO SIMPLE CRITICAL SYSTEMS

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61-05-00 HUBER, R. J. / LONG, J. K. / MC VEAN, R. L. / GASIDLO, J. M.	85 CRITICAL STUDIES OF A DILUTE CARBIDE FAST REACTOR (CORE ZPR-3 ASSEMBLY 34)
61-05-00 AMUNDSON, P. I. / HESS, A. L. / KEENEY, W. P. / LONG, J. K. / MC VEAN, R. L.	86 CRITICAL STUDIES OF A DILUTE OXIDE FAST REACTOR CORE (ZPR-3 ASSEMBLY 30)
61-08-00 LONG, J. K. / BAKER, A. R. / GEMMELL, W. / KEENEY, W. P. / MC VEAN, R. L. / THALGOTT, F. W.	398 EXPERIMENTAL RESULTS ON LARGE DILUTE FAST CRITICAL SYSTEMS WITH METALLIC AND CERAMIC FUELS
61-10-00 GASIDLO, J. M. / LONG, J. K. / MC VEAN, R. L.	82 CRITICAL STUDIES OF A DILUTE FAST REACTOR CORE (ZPR-3 ASSEMBLY 31)
62-05-30 GEMMELL, W.	81 A SERIES OF SIMPLE DILUTE FAST REACTOR ASSEMBLIES
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66-10-10 DAVEY, W. G.	910 INTERCOMPARISON OF CALCULATIONS FOR A DILUTE PLUTONIUM-FUELED FAST CRITICAL ASSEMBLY (ZPR-3 ASSEMBLY 48)
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66-10-10 BENNETT, E. F. / GOLD, R. / HUBER, R. J.	942 SPECTRUM MEASUREMENTS IN A LARGE DILUTE PLUTONIUM FUELED FAST REACTOR
66-10-10 BROWN, P. S.	944 COMMENT ON SPECTRUM MEASUREMENTS IN A LARGE, DILUTE PLUTONIUM-FUELED FAST REACTOR
66-10-10 BROOMFIELD, A. M. / AMUNDSON, P. I. / DAVEY, W. G. / GASIDLO, J. M. / HESS, A. L. / KEENEY, W. P. / LONG, J. K.	1487 ZPR-3 ASSEMBLY 48: STUDIES OF A DILUTE PLUTONIUM-FUELED ASSEMBLY

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60-12-00 WOOD, D. P. / BYERS, C. C. / OSBORN, L. C.	8 CRITICAL MASSES OF CYLINDERS OF PLUTONIUM DILUTED WITH OTHER METALS

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62-03-00 DOMINEY, J. R. / LANE, R. C. / THOMAS, A. F.	229 CRITICAL MASS MEASUREMENTS WITH THIN DISCS OF 45.5 PERCENT ENRICHED URANIUM

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68-01-00 RICHEY, C. R.	569 CRITICALITY OF HETEROGENEOUS ARRAYS UNDERGOING DISSOLUTION
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64-05-00 GASIDLO, J. M. / LONG, J. K. / KEENEY, W. P.	12 DOPPLER EFFECT MEASUREMENTS, SODIUM VOID COEFFICIENTS, AND CRITICAL STUDIES OF A 5000-LITER FAST POWER BREEDER REACTOR BY THE TWO-ZONE METHOD (ZPR-3 ASSEMBLY 43)

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69-04-00 FRISCH, O.	1366 THE DRAGON EXPERIMENT

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61-02-00 KOCH, L. J. / LOEWENSTEIN, W. B. /
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69-10-00 EICH, W. J.	1317 A STATUS REPORT FOR THE CURRENT EVALUATION OF MODIFIED ENDF/B REPRESENTATIONS FOR THE ISOTOPES OF PLUTONIUM - 239, 240, 241, AND 242
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76-01-00 MC NEANY, S. R. / JENKINS, J. D.	1728 COMPARISON OF HANSEN--ROACH AND ENDF/B-IV CROSS SECTIONS FOR URANIUM CRITICALITY CALCULATIONS
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59-04-20 LLOYD, R. C. / SMITH, R. B. / CLAYTON, E. D.	881 CRITICALITY MEASUREMENTS OF HETEROGENEOUS 3.1 PERCENT ENRICHED URANIUM-WATER SYSTEMS
59-06-00 LLOYD, R. C. / SMITH, R. B. / CLAYTON, E. D.	2035 NEUTRON MULTIPLICATION MEASUREMENTS OF HETEROGENEOUS 3.1 PERCENT ENRICHED URANIUM-WATER SYSTEMS
59-07-00 LLOYD, R. C. / CLAYTON, E. D. / SMITH, R. B.	1126 CRITICALITY MEASUREMENTS OF HETEROGENEOUS 3.1 PERCENT ENRICHED URANIUM-WATER SYSTEMS
59-10-20 LLOYD, R. C. / CLAYTON, E. D. / SMITH, R. B.	240 CRITICALITY MEASUREMENTS OF HETEROGENEOUS 3.1 PERCENT ENRICHED URANIUM - WATER SYSTEM
60-01-20 LLOYD, R. C. / CLAYTON, E. D. / SMITH, R. B. / NEELEY, V. I.	187 CRITICALITY MEASUREMENTS OF HETEROGENEOUS 3.1 PERCENT ENRICHED URANIUM AND WATER SYSTEMS
60-06-08 LLOYD, R. C.	130 SUMMARY LISTING OF SUBCRITICAL MEASUREMENTS OF HETEROGENEOUS WATER- URANIUM LATTICES MADE AT HANFORD
61-06-00 GUDERJAHN, C. A.	1493 HETEROGENEOUS URANIUM METAL-GRAPHITE CRITICAL EXPERIMENTS
66-08-00 FOX, T. A. / MUELLER, R. A. / FORD, C. H.	2091 CRITICAL MASS STUDIES WITH THE NASA ZERO POWER REACTOR II. II- HETEROGENEOUS ARRAYS OF CYLINDRICAL VOIDS
68-01-00 RICHEY, C. R.	569 CRITICALITY OF HETEROGENEOUS ARRAYS UNDERGOING DISSOLUTION
68-01-00 GRAVES, W. E. / BENTON, F. D. / SATTERFIELD, R. M.	571 A COMPARISON OF HETEROGENEOUS NUCLEAR-REACTOR LATTICE THEORY WITH EXPERIMENT
68-11-00 KARAM, R. A. / MARSHALL, J. E. / NAKAMURA, T.	1408 FLUXES INTRASTRUCTURE IN A LARGE, PLATE-TYPE HETEROGENEOUS URANIUM DIOXIDE FAST CORE (ASSEMBLY-6, ZPR-6)
69-12-00 BARBRY, F. / BOULY, J. C. / CAIZERGUES, R. / DEILGAT, E. / HOUELLE, M. / LECORCHE, P.	1898 THEORETICAL AND EXPERIMENTAL RESEARCH INTO THE HETEROGENEOUS POISONING OF FISSILE-MATERIAL SOLUTIONS BY TUBES OR RINGS OF BOROSILICATE GLASS.
70-00-00 CASINI, G. / PAILLON, M.	1812 COMPARATIVE ANALYSIS OF CRITICAL AND EXPONENTIAL EXPERIMENTS BY HETEROGENEOUS METHODS.
71-06-00 MENEGHETTI, D. / KEENEY, W. P. / VOSBURGH, R. O. / SIMON, G. G. / STENSTROM, D. G. / PHILLIPS, K. E. / GASIDLO, J. M.	1631 EXPERIMENTS AND ANALYSES OF HETEROGENEOUS CORES AND NEUTRON SPECTRA IN EBR-II CRITICAL ASSEMBLIES ON ZPR-3.
74-07-00 LLOYD, R. C. / CLAYTON, E. D.	1707 CRITICALITY OF HETEROGENEOUS SYSTEMS: URANIUM OXIDE -- PLUTONIUM OXIDE SOLIDS IN FISSILE SOLUTION CONTAINING GADOLINIUM NITRATE
74-11-00 LLOYD, R. C. / CLAYTON, E. D.	1552 CRITICALITY OF HETEROGENEOUS SYSTEMS: URANIUM DIOXIDE/PLUTONIUM DIOXIDE SOLIDS IN FISSILE SOLUTION CONTAINING GADOLINIUM NITRATE
76-07-00 JOHNSON, E. B.	1439 THE CRITICALITY OF HETEROGENEOUS LATTICES OF EXPERIMENTAL BERYLLIUM OXIDE REACTOR FUEL PINS IN WATER AND IN AQUEOUS SOLUTIONS CONTAINING BORON AND URANYL NITRATE

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65-12-00 BOYNTON, A. R. / PLUMLEE, K. E. / REDMAN, W. C. / ROBINSON, W. R. / STANFORD, G. S.	821 HIGH CONVERSION (HI-C) CRITICAL EXPERIMENT

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61-06-00 DE VILLIERS, J. W. L. / BAIRD, Q. L. / JULIANO, J. / KELBER, C. N. / KIYOSE, R. / PLUMLEE, K. E.	1495 CRITICAL EXPERIMENTS FOR THE PRELIMINARY DESIGN OF THE ARGONNE HIGH FLUX REACTOR, PART A
61-06-00 JULIANO, J. O. / KELBER, C. N. / PLUMLEE, K. E.	1497 CRITICAL EXPERIMENTS FOR THE PRELIMINARY DESIGN OF THE ARGONNE HIGH FLUX REACTOR, PART B

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67-03-20 JOHNSON, E. B. 1151 CRITICAL LATTICES OF HIGH FLUX ISOTOPE REACTOR FUEL ELEMENTS

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60-06-00 GOLDBERG, E. / FINKE, R. G. / REYNOLDS, H. L. 255 HIGH TEMPERATURE GRAPHITE CRITICAL EXPERIMENTS
60-12-00 FINKE, R. G. / GOLDBERG, E. / REYNOLDS, H. L. / GRAMMENS, G. 254 HIGH TEMPERATURE BERYLLIUM-OXIDE CRITICAL EXPERIMENTS
69-07-10 NONE 1371 QUARTERLY STATUS REPORT ON: ULTRA HIGH TEMPERATURE REACTOR EXPERIMENT (UHTREX), FOR PERIOD ENDING APRIL 30, 1969

HIGH-ENRICHED

78-04-00 ROTHE, R. E. / OH, I. 2095 BENCHMARK CRITICAL EXPERIMENTS ON HIGH-ENRICHED URANYL NITRATE SOLUTION SYSTEMS

HIGHLY ENRICHED

55-05-00 BROWN, J. R. / NOORDHOFF, B. H. / BATESON, W. O. 183 CRITICAL EXPERIMENTS ON A HIGHLY ENRICHED HOMOGENEOUS REACTOR
59-06-00 WOODCOCK, E. R. 806 CRITICAL ASSEMBLIES OF INFINITE SLABS OF HIGHLY ENRICHED URANIUM AND WATER
59-07-27 MIHALCZO, J. T. / LYNN, J. J. 210 MULTIPLICATION MEASUREMENTS WITH HIGHLY ENRICHED URANIUM METAL SLABS
64-07-00 MAUNDERS, E. J. 724 MEASUREMENTS OF BUCKLING AND PLUTONIUM-239/URANIUM-235 RELATIVE REACTION RATES IN AN UNDERMODERATED GRAPHITE ASSEMBLY FUELED WITH HIGHLY ENRICHED URANIUM-235 AND PLUTONIUM-239
70-03-00 GRAY, A. W. / JONES, L. L. 652 AN ANALYTICAL STUDY OF THE MINIMUM CRITICAL MASS OF HIGHLY ENRICHED URANIUM-235 WHEN REFLECTED BY NATURAL URANIUM AND WATER MIXTURES IN OPTIMIZED LATTICES
71-10-00 MIHALCZO, J. T. 1655 A HIGHLY ENRICHED URANIUM METAL SPHERE ASSEMBLY.

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59-03-30 REYNOLDS, H. L. / WALTER, C. E. 54 HOT BOX - A HIGH-TEMPERATURE CRITICAL FACILITY
61-03-21 FINKE, R. G. / GOLDBERG, E. / REYNOLDS, H. L. / GRAMMENS, G. 51 SUMMARY REPORT ON A HIGH-TEMPERATURE BERYLLIUM-OXIDE CRITICAL EXPERIMENT
61-06-06 FINKE, R. G. 25 PRELIMINARY RESULTS OF HIGH-TEMPERATURE BARE URANIUM-235-CARBON CRITICAL ASSEMBLY MEASUREMENTS
63-09-00 BARDES, R. G. / BROWN, J. R. / DRAKE, M. K. / FISCHER, P. U. / POUND, D. C. / SAMPSON, J. B. / STEWART, H. B. 1992 HIGH-TEMPERATURE, GAS-COOLED REACTOR CRITICAL EXPERIMENT AND ITS APPLICATION
75-08-00 DRUEKE, V. / FILGES, S. / KIRCH, N. / NEEF, R. D. 1572 EXPERIMENTAL AND THEORETICAL STUDIES OF CRITICALITY SAFETY BY INGRESS OF WATER IN SYSTEMS WITH PEBBLE-BED HIGH-TEMPERATURE GAS-COOLED REACTOR FUEL

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59-06-00 ENGELDER, T. C. / GIESLER, H. W. / FARRARR, J. P. 2033 REACTIVITY AND FLUX MEASUREMENTS IN HIGHLY REFLECTED URANIUM-235-BISMUTH-GRAPHITE CRITICAL EXPERIMENTS

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HISTORY

76-06-00 SCHUSKE, C. L.	1608 HISTORY OF FISSION ARRAY MEASUREMENTS IN THE UNITED STATES AND COMMENTS ON THE CURRENT EXPERIMENTS PROGRAM
76-08-00 SCHUSKE, C. L. / PAXTON, H. C.	1602 HISTORY OF FISSION ARRAY MEASUREMENTS IN THE UNITED STATES

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57-08-00 CLAYTON, E. D. / BLOCK, E. Z.	1087 BUCKLING MEASUREMENTS WITH ENRICHED HOLLOW FUEL ELEMENTS IN LIGHT WATER PHYSICS RESEARCH QUARTERLY REPORT

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58-10-01 HERMANN, O. W.	476 A GENERALIZED AND CONSISTENT METHOD FOR CALCULATING THE CRITICAL MASS OF HOMOGENEOUS AQUEOUS URANYL FLUORIDE SOLUTIONS

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68-00-00 RAFFETY, S. J.	1208 HOMOGENEOUS ASSEMBLIES OF URANIUM(2)-TETRAFLUORIDE IN PARAFFIN AT AN HYDROGEN/URANIUM-235 ATOMIC RATIO OF 972
62-11-00 FEINER, F. / WEINSTEIN, S. / OAKS, W. C. / COOPER, K. V.	2046 PRECISE CRITICALITY DETERMINATIONS IN THE SOLID HOMOGENEOUS ASSEMBLY

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55-08-00 CALLIHAN, A. D. / MORFITT, J. W. / THOMAS, J. T.	325 SMALL THERMAL HOMOGENEOUS CRITICAL ASSEMBLIES
56-00-00 CALLIHAN, A. D.	289 SMALL THERMAL HOMOGENEOUS CRITICAL ASSEMBLIES
60-09-00 MIHALCZO, J. T. / LYNN, J. J.	167 HOMOGENEOUS CRITICAL ASSEMBLIES OF 2% URANIUM-235-ENRICHED URANIUM TETRAFLUORIDE IN PARAFFIN
60-11-00 RUTLEDGE, G. P. / KANTORCZYK, P. A.	682 NUCLEAR ANALYSIS OF THERMAL REFLECTED CYLINDRICAL HOMOGENEOUS CRITICAL ASSEMBLIES
69-05-02 RAFFETY, S. J. / MIHALCZO, J. T.	250 HOMOGENEOUS CRITICAL ASSEMBLIES OF 2 AND 3 PERCENT ENRICHED URANIUM IN PARAFFIN

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65-00-00 BRUNA, J. G. / BRUNET, J. P. / CAIZERGUES, R. / CLOUET D'ORVAL, C. / KREMSER, J. / TELLIER, H. / VERRIERE, P.	285 ALECTO - EXPERIMENTAL RESULTS WITH HOMOGENEOUS CRITICAL SYSTEMS OF PLUTONIUM-239, URANIUM-235, AND URANIUM-233.

HOMOGENEOUS CRITICAL EXPERIMENT

58-09-00 BERTRAND, J. / BONNAURE, P. / CLOUET D'ORVAL, C. / CORPEL, J. / GIROUSSE, A. / LACOGSTRY, B. / PREVOST, I. / SALESSE, H. / TACHON, J. / VENDRYES, C.	291 PROSERPINE, A HOMOGENEOUS CRITICAL EXPERIMENT WITH PLUTONIUM

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HOMOGENEOUS ENRICHED URANIUM-GRAPHITE

68-12-00 PHELPS, J. / WEINSTOCK, E. V.	504 CRITICALITY MEASUREMENTS ON NEARLY HOMOGENEOUS ENRICHED URANIUM-GRAPHITE SYSTEMS

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56-08-00 OLCOTT, R. N.	3 HOMOGENEOUS HEAVY WATER MODERATED CRITICAL ASSEMBLIES. PART 1. EXPERIMENTAL

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68-06-00 BIERMAN, S. R. / HESS, G. M.	42 MINIMUM CRITICAL URANIUM-235 ENRICHMENT OF HOMOGENEOUS HYDROGENOUS URANYL NITRATE

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62-05-00 MIHALCZO, J. T. / NEELEY, V. I.	169 THE INFINITE MULTIPLICATION CONSTANT OF HOMOGENEOUS HYDROGEN-MODERATED 2.0 WEIGHT PERCENT URANIUM-235-ENRICHED URANIUM

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68-06-00 BIERMAN, S. R. / HESS, G. M.	42 MINIMUM CRITICAL URANIUM-235 ENRICHMENT OF HOMOGENEOUS HYDROGENOUS URANYL NITRATE

HOMOGENEOUS MIXTURES

67-11-00 BAXTER, A. / CLAYTON, E. D. / HANSEN, L. E.	902 STUDIES OF CRITICAL ASSEMBLIES OF HOMOGENEOUS MIXTURES OF PLUTONIUM OXIDE AND POLYSTYRENE
68-07-00 LANE, R. C. / PERKINS, O. J. E.	128 THE MEASUREMENT OF THE CRITICAL SIZE OF A HOMOGENEOUS MIXTURE OF PLUTONIUM AND NATURAL URANIUM OXIDES WITH POLYTHENE
73-02-00 BIERMAN, S. R. / CLAYTON, E. D. / HANSEN, L. E.	1677 CRITICAL EXPERIMENTS WITH HOMOGENEOUS MIXTURES OF PLUTONIUM AND URANIUM OXIDES CONTAINING 8, 15, AND 30 WT% PLUTONIUM.
76-06-00 BIERMAN, S. R. / CLAYTON, E. D.	1613 CRITICAL EXPERIMENTS WITH LOW-MODERATED HOMOGENEOUS MIXTURES OF PLUTONIUM AND URANIUM OXIDES CONTAINING 8 AND 15 WT% PLUTONIUM
76-11-00 BIERMAN, S. R. / CLAYTON, E. D.	1453 CRITICAL EXPERIMENTS WITH LOW-MODERATED HOMOGENEOUS MIXTURES OF PLUTONIUM AND URANIUM OXIDES CONTAINING 8, 15, AND 30 WT% PLUTONIUM

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65-10-00 RICHEY, C. R. / WHITE, J. D. / CLAYTON, E. D. / LLOYD, R. C. /	416 CRITICALITY OF HOMOGENEOUS PLUTONIUM OXIDE-PLASTIC COMPACTS AT HYDROGEN TO PLUTONIUM RATIO = 15
68-01-00 RICHEY, C. R.	568 THEORETICAL ANALYSES OF HOMOGENEOUS PLUTONIUM CRITICAL EXPERIMENTS
68-06-00 BIERMAN, S. R. / HANSEN, L. E. / LLOYD, R. C. / CLAYTON, E. D.	2019 CRITICAL EXPERIMENTS WITH HOMOGENEOUS PLUTONIUM DIOXIDE - POLYSTYRENE AT 5 HYDROGEN:PLUTONIUM
69-01-00 BIERMAN, S. R. / HANSEN, L. E. / LLOYD, R. C. / CLAYTON, E. D.	1276 CRITICAL EXPERIMENTS WITH HOMOGENEOUS PLUTONIUM DIOXIDE- POLYSTYRENE AT 5 HYDROGEN/PLUTONIUM
70-06-00 BIERMAN, S. R. / CLAYTON, E. D.	1915 CRITICAL EXPERIMENTS WITH HOMOGENEOUS PLUTONIUM OXIDE.

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HOMOGENEOUS PLUTONIUM-URANIUM

74-06-00 HALL, R. J. / BIERMAN, S. R.	1540 CALCULATION-EXPERIMENT CORRELATIONS ON HOMOGENEOUS PLUTONIUM-URANIUM SYSTEMS

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55-05-00 BROWN, J. R. / NOORDHOFF, B. H. /
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67-12-00 BOULY, J. C. / CAIZERGUES, R. /
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63-08-01 MAGNUSON, D. W.	1195 MEASUREMENT AND CALCULATION OF THE PROMPT-NEUTRON DECAY CONSTANT AND EFFECTIVE BUCKLING AS A FUNCTION OF SIZE FOR HOMOGENEOUS URANIUM SOLUTIONS

HOMOGENEOUS URANIUM-WATER

68-12-00 STAUB, A. / HARRIS, D. R. /
GOLDSMITH, M.	502 ANALYSIS OF A SET OF CRITICAL HOMOGENEOUS URANIUM-WATER SPHERES

HOMOGENEOUS URANIUM-235

69-07-00 COHEN, S. C. / MOORE, R. A. / YOUNG,
J. C. / RUSSELL, J. L.	1345 FAST NEUTRON SPECTRUM FOR A SUBCRITICAL SECTION OF A HOMOGENEOUS URANIUM-235 POLYETHYLENE CRITICAL ASSEMBLY

HOMOGENEOUS URANIUM-233

77-10-00 ULLO, J. J. / HARDY, J.	2113 ANALYSIS OF HOMOGENEOUS URANIUM-233 AND URANIUM-235 CRITICAL ASSEMBLIES WITH ENDF/B-IV DATA

HOMOGENEOUS URANIUM-WATER SPHERES

68-12-00 STAUB, A. / HARRIS, D. R. /
GOLDSMITH, M.	502 ANALYSIS OF A SET OF CRITICAL HOMOGENEOUS URANIUM-WATER SPHERES

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59-03-30 REYNOLDS, H. L. / WALTER, C. E. 54 HOT BOX - A HIGH-TEMPERATURE CRITICAL FACILITY

HOT-BERYLLIUM-OXIDE-CORE CRITICAL EXPERIMENT

61-10-27 FINKE, R. G. / GOLDBERG, E. / REYNOLDS, H. L. / GRAMMENS, G. 60 A COOLED-REFLECTOR, HOT-BERYLLIUM-OXIDE-CORE CRITICAL EXPERIMENT

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47-02-03 BAKER, C. P. / HOLLOWAY, M. G. 1981 CRITICAL MASSES OF ENRICHED URANIUM HYDRIDES AND SOME RELATED MEASUREMENTS

50-00-00 PAXTON, H. C. / ORNDOFF, J. D. / LINENBERGER, G. A. 370 ORALLOY (ENRICHED URANIUM) HYDRIDE CRITICAL ASSEMBLIES

60-01-00 LINENBERGER, G. A. / ORNDOFF, J. D. / PAXTON, H. C. 141 ENRICHED-URANIUM HYDRIDE CRITICAL ASSEMBLIES

61-06-00 MOSS, L. I. / PODEWELTZ, C. M. / RANDALL, R. L. / SHAPIRO, J. L. / WIMMER, R. E. 1484 ANALYTICAL AND EXPERIMENTAL RESULTS FOR A COMPACT, ZIRCONIUM HYDRIDE MODERATED CRITICAL ASSEMBLY

63-09-15 MOSS, L. I. 708 EXPERIMENTS WITH WATER-REFLECTED, UNDERMODERATED, ZIRCONIUM HYDRIDE CRITICAL ASSEMBLIES

64-09-00 PONOMAREV-STEPNOI, N. N. / SMIRNOV, O. N. / KULEVA, R. V. 693 INVESTIGATION ON SYSTEM WITH ZIRCONIUM HYDRIDE MODERATOR

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60-07-07 BIDINGER, G. H. / SCHUSKE, C. L. / SMITH, D. F. 194 NUCLEAR SAFETY EXPERIMENTS ON PLUTONIUM AND ENRICHED URANIUM HYDROGEN MODERATED ASSEMBLIES CONTAINING BORON

61-09-00 MIHALCZO, J. T. / MILLS, C. B. 168 CRITICALITY OF LOW ENRICHMENT URANIUM-235 IN HYDROGEN

62-01-22 2053 EXPERIMENTS AND ANALYSIS ON BERYLLIUM OXIDE MODERATED CORES CONTAINING HYDROGEN

65-10-00 RICHEY, C. R. / WHITE, J. D. / CLAYTON, E. D. / LLOYD, R. C. / 416 CRITICALITY OF HOMOGENEOUS PLUTONIUM OXIDE-PLASTIC COMPACTS AT HYDROGEN TO PLUTONIUM RATIO = 15

66-08-00 HANSEN, L. E. / CLAYTON, E. D. 804 CRITICALITY OF PLUTONIUM COMPOUNDS IN THE UNDERMODERATED RANGE HYDROGEN - PLUTONIUM LESS THAN 20

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68-06-00 MAGNUSON, D. W. 2021 CRITICAL EXPERIMENTS AT HYDROGEN:URANIUM-235 RATIOS FROM 0 TO 5

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72-11-00 BIERMAN, S. R. / CLAYTON, E. D. 1673 CRITICALITY EXPERIMENTS OF LWR MIXED OXIDES AT 20 HYDROGEN: PLUTONIUM+URANIUM.

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64-00-00 UROVA, L. N. / POLYAKOV, A. A. / KLENOV, G. I. / MOROSOV, I. G. / INYUTIN, E. I. / SIDOROV, G. I. 2011 A STUDY OF THE PHYSICAL CHARACTERISTICS OF HYDROGEN-CONTAINING REACTORS IN THE CRITICAL REGION

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62-09-00 MIHALCZO, J. T.	230 PROMPT NEUTRON LIFETIME IN HYDROGEN-MODERATED URANIUM(3) CRITICAL ASSEMBLIES
63-08-01 MIHALCZO, J. T.	1448 PROMPT-NEUTRON DECAY CONSTANT VERSUS BUCKLING FOR HYDROGEN-MODERATED 3% URANIUM-235-ENRICHED URANIUM

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69-01-00 BIERMAN, S. R./ HANSEN, L. E./ LLOYD, R. C./ CLAYTON, E. D.	1276 CRITICAL EXPERIMENTS WITH HOMOGENEOUS PLUTONIUM DIOXIDE-POLYSTYRENE AT 5 HYDROGEN/PLUTONIUM

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60-06-00 MIHALCZO, J. T.	847 NEUTRON AGE AND NON-LEAKAGE PROBABILITY FOR A 2 PERCENT URANIUM-235 ENRICHED URANIUM TETRAFLUORIDE - PARAFFIN MIXTURE WITH A HYDROGEN/URANIUM RATIO OF 404
61-10-03 THOMAS, A. F.	1445 INTERIM NOTE ON CRITICAL MASS MEASUREMENTS WITH 30% ENRICHED URANIUM/HYDROGEN MIXTURES AT LOW HYDROGEN/URANIUM RATIOS

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68-00-00 RAFFETY, S. J.	1208 HOMOGENEOUS ASSEMBLIES OF URANIUM(2)-TETRAFLUORIDE IN PARAFFIN AT AN HYDROGEN/URANIUM-235 ATOMIC RATIO OF 972

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46-01-22 SNELL, A. H.	1985 CRITICAL EXPERIMENTS OF FLUORINATED AND HYDROGENATED MIXTURES CONTAINING ENRICHED URANIUM

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61-09-00 NEELEY, V. I./ BERBERET, J. A./ MASTERTON, R. H.	175 K(INF) OF THREE WEIGHT PERCENT URANIUM-235 ENRICHED URANIUM TRIOXIDE AND URANYL NITRATE HYDROGENOUS SYSTEMS
67-11-00 BIERMAN, S. R./ HESS, G. M.	905 MINIMUM CRITICAL URANIUM-235 ENRICHMENT FOR URANYL NITRATE HYDROGENOUS SYSTEMS
68-04-00 BIERMAN, S. R./ HESS, G. M.	580 MINIMUM CRITICAL URANIUM-235 ENRICHMENT OF HOMOGENEOUS, HYDROGENOUS URANYL NITRATE SYSTEMS
68-06-00 BIERMAN, S. R./ HESS, G. M.	42 MINIMUM CRITICAL URANIUM-235 ENRICHMENT OF HOMOGENEOUS HYDROGENOUS URANYL NITRATE

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57-07-01 HANDLER, H. E.	646 EXPERIMENTS TO DETERMINE THE INFINITE MULTIPLICATION FACTORS OF ENRICHED URANYL FLUORIDE-WATER MIXTURES
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73-04-30 MAGNUSON, D. W.	1857 CRITICAL THREE-DIMENSIONAL ARRAYS OF NEUTRON INTERACTING UNITS. PART-4. ARRAYS OF URANIUM(93.2) METAL REFLECTED BY CONCRETE AND ARRAYS SEPARATED BY VERMICULITE AND REFLECTED BY POLYETHYLENE.

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54-11-00 BROWN, J. R. / NOORDHOFF, B. H. /
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55-08-00 GAST, P. F.	1038 NORMAL URANIUM, GRAPHITE-MODERATED REACTORS: A COMPARISON
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55-08-00 COHEN, E. R.	1953 EXPONENTIAL EXPERIMENTS ON DEUTERIUM-OXIDE--URANIUM LATTICES
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61-06-00 CAMPBELL, R. W. / GUZZLE, T. L. / PASCHALL, R. K.	1480 EXPONENTIAL EXPERIMENTS IN URANIUM-DIPHENYL LATTICES
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LIQUID

71-05-00 CAIZERGUES, R. / DEILGAT, E. /
LECORCHE, P. / MAUBERT, L. / REVOL,
H. | 1426 CRITICALITY OF LIQUID MIXTURES OF HIGHLY URANIUM-235
ENRICHED HEXAFLUORIDE AND HYDROFLUORIC ACID |
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LIQUID-METAL

76-01-00 LLOYD, R. C. / CLAYTON, E. D.	1574 CRITICALITY SAFETY DATA APPLICABLE TO PROCESSING LIQUID-
METAL FAST BREEDER REACTOR FUEL |
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LITHIUM

70-05-00 ANDERSON, JOHN L. / MAYO, WENDELL	1863 EFFECT OF ADDING LITHIUM NITRIDE, HAFNIUM, TANTALUM, AND
TUNGSTEN TO A FAST-SPECTRUM, MOLYBDENUM-REFLECTED CRITICAL
ASSEMBLY. |
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62-03-20 RALSTON, H. R.	1256 THE LIVERMORE COLD-CRITICAL EXPERIMENTS ON TORY II-A AND II-
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68-09-23 FINN, H. F. / PRUVOST, N. L.	985 LIVERMORE PLUTONIUM ARRAY PROGRAM
76-04-00 KOLAR, O. C. / FINN, H. F. /
PRUVOST, N. L.	1587 LIVERMORE PLUTONIUM ARRAY PROGRAM: EXPERIMENTS AND
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69-11-15 SPRINGER, T. H. / TUTTLE, R. J. /
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55-10-00 PAXTON, H. C.	315 CRITICAL ASSEMBLIES AT LOS ALAMOS, GODIVA, TOPSY, JEZEBEL
58-06-00 ISKENDERIAN, H. / BYERS, C. C.	136 PHYSICS CALCULATIONS ON FOUR LOS ALAMOS GRAPHITE MODERATED
CRITICAL ASSEMBLIES
61-08-00 HANSEN, G. E.	344 STATUS OF COMPUTATIONAL AND EXPERIMENTAL CORRELATION FOR
LOS ALAMOS FAST NEUTRON CRITICAL ASSEMBLIES
64-05-06 PAXTON, H. C.	1 LOS ALAMOS CRITICAL-MASS DATA
69-09-00 HANSEN, G. E. / PAXTON, H. C.	1220 RE-EVALUATED CRITICAL SPECIFICATIONS OF SOME LOS ALAMOS
FAST-NEUTRON SYSTEMS
75-11-00 PAXTON, H. C.	1727 LOS ALAMOS CRITICAL-MASS DATA
76-02-00 PAXTON, H. C.	1432 SAFETY ANALYSIS OF THE LOS ALAMOS CRITICAL EXPERIMENTS
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61-11-00 KLANN, P. G. / DECHAND, C. O. / FEIN, E. / WRIGHT, W. B.	2001 CRITICAL EXPERIMENTS WITH LOW ENRICHED DOUBLE ANNULAR SUPERHEATER FUEL ELEMENTS IN LIGHT WATER AND THEIR ANALYSIS
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68-11-00 WEBSTER, J. W.	453 OSR MONTE CARLO CALCULATIONS OF LOW-ENRICHED URANIUM THERMAL CRITICAL ASSEMBLIES, AND EVIDENCE OF ERRORS IN URANIUM-238 CROSS SECTIONS
74-06-13 HANDLEY, G. R. / HOPPER, C. M.	1702 VALIDATION OF THE KENO CODE FOR NUCLEAR CRITICALITY SAFETY CALCULATIONS OF MODERATED, LOW-ENRICHED URANIUM SYSTEMS

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61-09-00 MIHALCZO, J. T. / MILLS, C. B.	168 CRITICALITY OF LOW ENRICHMENT URANIUM-235 IN HYDROGEN
63-09-00 KAPLAN, I. / LANNING, D. D. / PROFIO, A. E. / THOMPSON, T. J.	1993 MASSACHUSETTS INSTITUTE OF TECHNOLOGY EXPONENTIAL STUDIES OF LOW-ENRICHMENT, HEAVY-WATER LATTICES
68-03-00 CHEZEM, C. G. / STEINKE, R. G.	581 LOW-ENRICHMENT URANIUM-METAL EXPONENTIAL EXPERIMENTS
68-07-00 CHEZEM, C. G.	513 INVESTIGATION OF THE CRITICALITY OF LOW-ENRICHMENT URANIUM CYLINDERS
67-08-00 RAFFETY, S. J.	819 HOMOGENEOUS CRITICAL ASSEMBLIES OF LOW ENRICHMENT URANIUM TETRAFLUORIDE IN PARAFFIN
69-11-00 ROGERS, C. A. / LLOYD, R. C. / BIERMAN, S. R. / CLAYTON, E. D.	1883 REFLECTOR SAVINGS FOR URANYL NITRATE OF LOW ENRICHMENT.
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57-04-03 VISNER, S. / WOOD, P. M.	2107 LOW-POWER CRITICALITY EXPERIMENTS ON THE HOMOGENEOUS REACTOR EXPERIMENT (HRE-1)

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72-11-00 BIERMAN, S. R. / CLAYTON, E. D.	1673 CRITICALITY EXPERIMENTS OF LWR MIXED OXIDES AT 20 HYDROGEN: PLUTONIUM+URANIUM.
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70-03-00 GRAY, A. W./ JONES, L. L.	652 AN ANALYTICAL STUDY OF THE MINIMUM CRITICAL MASS OF HIGHLY ENRICHED URANIUM-235 WHEN REFLECTED BY NATURAL URANIUM AND WATER MIXTURES IN OPTIMIZED LATTICES
73-11-00 CLARK, H. K.	1527 MINIMUM CRITICAL CONCENTRATION OF PLUTONIUM-239
73-11-00 RICHEY, C. R.	1528 REEXAMINATION OF THE VALUE FOR THE MINIMUM CRITICAL CONCENTRATION OF PLUTONIUM-239 IN WATER
74-10-00 RICHEY, C. R.	1447 REEXAMINATION OF THE VALUE FOR THE MINIMUM CRITICAL CONCENTRATION OF PLUTONIUM-239 IN WATER

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61-08-21 NEELEY, V. I./ HANDLER, H. E.	166 MEASUREMENT OF MULTIPLICATION CONSTANT FOR SLIGHTLY ENRICHED HOMOGENEOUS URANIUM TRIOXIDE - WATER MIXTURES AND MINIMUM ENRICHMENT FOR CRITICALITY

MINIMUM REFLECTION

66-12-31 PHELPS, J.	822 MINIMUM REFLECTION CRITICAL FACILITY

MINIMUM THICKNESS

68-04-00 WEBSTER, J. W.	579 MINIMUM THICKNESS OF A WATER-REFLECTED INFINITE SLAB OF AN AQUEOUS SOLUTION OF URANYL FLUORIDE AT OPTIMUM CONCENTRATION

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66-05-00 WHEELER, R. C. / ABSALOM, R. M. /
BAKER, A. R. / BROOMFIELD, A. M. /
FURNEAUX, D. / INGRAM, G. / JOWITT,
D. / PATTENDEN, S. K. / PATTERSON,
C. R. / SMITH, M. F. / STEVENSON,
J. M.	790 ZEBRA CORE 5: STUDIES OF A MIXED CRITICAL CORE WITH A
CENTRAL DILUTE PLUTONIUM REGION
71-06-00 BIERMAN, S. R. / CLAYTON, E. D.	1626 CRITICAL EXPERIMENTS WITH MIXED OXIDES OF PLUTONIUM AND
URANIUM CONTAINING 15 AND 30 WT% PLUTONIUM.
72-06-00 BIERMAN, S. R. / CLAYTON, E. D.	2030 CRITICAL EXPERIMENTS WITH MIXED OXIDES OF PLUTONIUM AND
URANIUM CONTAINING 8 AND 30 WT% PLUTONIUM
72-11-00 BIERMAN, S. R. / CLAYTON, E. D.	1673 CRITICALITY EXPERIMENTS OF LWR MIXED OXIDES AT 20 HYDROGEN:
PLUTONIUM+URANIUM.

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59-04-20 NEELEY, V. I.	880 MEASUREMENT OF K(INF) FOR 2 PERCENT ENRICHED URANIUM
TETRAFLUORIDE-PARAFFIN MIXTURE
60-06-00 MIHALCZO, J. T.	847 NEUTRON AGE AND NON-LEAKAGE PROBABILITY FOR A 2 PERCENT
URANIUM-235 ENRICHED URANIUM TETRAFLUORIDE - PARAFFIN
MIXTURE WITH A HYDROGEN/URANIUM RATIO OF 404
68-07-00 LANE, R. C. / PERKINS, O. J. E.	128 THE MEASUREMENT OF THE CRITICAL SIZE OF A HOMOGENEOUS
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POLYTHENE
69-07-00 MEHTA, S. L. / SERDULA, K. J.	1874 INTEGRAL MEASUREMENTS FOR 28-ELEMENT URANIUM-DIOXIDE
ASSEMBLIES WITH AIR, WATER, AND AIR-WATER MIXTURE COOLANTS

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46-01-22 SNELL, A. H.	1985 CRITICAL EXPERIMENTS OF FLUORINATED AND HYDROGENATED
MIXTURES CONTAINING ENRICHED URANIUM
57-07-01 HANDLER, H. E.	646 EXPERIMENTS TO DETERMINE THE INFINITE MULTIPLICATION
FACTORS OF ENRICHED URANYL FLUORIDE-WATER MIXTURES
61-08-21 NEELEY, V. I. / HANDLER, H. E.	166 MEASUREMENT OF MULTIPLICATION CONSTANT FOR SLIGHTLY
ENRICHED HOMOGENEOUS URANIUM TRIOXIDE - WATER MIXTURES AND
MINIMUM ENRICHMENT FOR CRITICALITY
61-10-03 THOMAS, A. F.	1445 INTERIM NOTE ON CRITICAL MASS MEASUREMENTS WITH 30%
ENRICHED URANIUM/HYDROGEN MIXTURES AT LOW HYDROGEN/URANIUM
RATIOS
61-11-00 SNIDOW, N. L. / CLARK, R. H. /
BARKSDALE, C. E. / LEWIS, R. H. /
ENGELDER, T. C.	2007 CRITICAL EXPERIMENTS ON 4% ENRICHED URANIUM DIOXIDE
LATTICES MODERATED BY HEAVY-WATER - WATER MIXTURES
61-11-00 WITTKOPF, W. A. / ROACH, K. E.	2008 NUCLEAR ANALYSIS OF 4% ENRICHED URANIUM DIOXIDE LATTICES
MODERATED BY HEAVY-WATER - WATER MIXTURES
61-12-00 ENGELDER, T. C. / SNIDOW, N. L. /
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CRITICAL EXPERIMENTS ON LATTICES MODERATED BY HEAVY WATER-
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62-09-00 FOX, J. K. / THOMAS, J. T.	2096 CRITICAL EXPERIMENTS WITH MIXTURES OF AQUEOUS URANIUM-235-
ENRICHED URANYL NITRATE SOLUTIONS AND BOROSILICATE GLASS
RINGS
63-11-00 ENGELDER, T. C. / CLARK, R. H. /
BALDWIN, M. N. / DEROCHE, E. J. /
FAIRBURN, G. T. / HALLAM, J. W.	628 MEASUREMENTS AND ANALYSIS OF UNIFORM LATTICE OF SLIGHTLY
ENRICHED URANIUM DIOXIDE MODERATED BY HEAVY WATER-WATER
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64-06-00 RICHEY, C. R. / WHITE, J. D. /
LLOYD, R. C. / CLAYTON, E. D.	298 HOMOGENEOUS CRITICAL EXPERIMENTS WITH PLUTONIUM/PLASTIC MIXTURES IN THE INTERMEDIATE ENERGY RANGE
65-11-00 LANE, R. C.	72 MEASUREMENTS OF THE CRITICAL PARAMETERS OF UNDERMODERATED URANIUM-HYDROGEN MIXTURES AT INTERMEDIATE ENRICHMENTS
65-12-00 MC CULLOCH, D. B. / DUERDEN, P. /
BRITTLIFF, E.	784 BUCKLING AND INTEGRAL SPECTRUM MEASUREMENTS IN URANIUM-235 FUELED SUBCRITICAL ASSEMBLIES MODERATED BY BERYLLIUM OXIDE/FERTILE MATERIAL MIXTURES
67-11-00 BAXTER, A. / CLAYTON, E. D. / HANSEN, L. E.	902 STUDIES OF CRITICAL ASSEMBLIES OF HOMOGENEOUS MIXTURES OF PLUTONIUM OXIDE AND POLYSTYRENE
68-00-00 RAFFETY, S. J. / MIHALCZO, J. T.	1209 NEUTRON AGE AND INFINITE-MEDIUM NEUTRON MULTIPLICATION FACTOR FOR URANIUM-TETRAFLUORIDE PARAFFIN MIXTURES WITH LOW URANIUM-235 ENRICHMENT
68-02-00 MAGNUSON, D. W.	45 CRITICAL EXPERIMENTS WITH ENRICHED URANIUM METAL-POLYETHYLENE, -PLEXIGLAS, AND -TEFLON MIXTURES
69-11-00 HANSEN, L. E. / BIERMAN, S. R. /
LLOYD, R. C. / CLAYTON, E. D.	1757 CRITICALITY OF PLUTONIUM DIOXIDE-URANIUM DIOXIDE AQUEOUS MIXTURES
70-03-00 GRAY, A. W. / JONES, L. L.	652 AN ANALYTICAL STUDY OF THE MINIMUM CRITICAL MASS OF HIGHLY ENRICHED URANIUM-235 WHEN REFLECTED BY NATURAL URANIUM AND WATER MIXTURES IN OPTIMIZED LATTICES
71-05-00 CAIZERGUES, R. / DEILGAT, E. /
LECORCHE, P. / MAUBERT, L. / REVOL, H.	1426 CRITICALITY OF LIQUID MIXTURES OF HIGHLY URANIUM-235 ENRICHED HEXAFLUORIDE AND HYDROFLUORIC ACID
73-02-00 BIERMAN, S. R. / CLAYTON, E. D. /
HANSEN, L. E.	1677 CRITICAL EXPERIMENTS WITH HOMOGENEOUS MIXTURES OF PLUTONIUM AND URANIUM OXIDES CONTAINING 8, 15, AND 30 WT% PLUTONIUM.
74-09-00 LLOYD, R. C. / BIERMAN, S. R. /
CLAYTON, E. D.	1548 CRITICALITY OF PLUTONIUM-URANIUM MIXTURES CONTAINING 5 TO 8 WT% PLUTONIUM
74-12-00 MAGNUSON, D. W.	1710 CRITICALITY CALCULATIONS FOR PLUTONIUM-DIOXIDE/URANIUM-DIOXIDE/WATER MIXTURES USING ENDF/B VERSION III CROSS SECTION DATA AND 123 GROUP XSRDRN TRANSPORT CODE
76-06-00 BIERMAN, S. R. / CLAYTON, E. D.	1613 CRITICAL EXPERIMENTS WITH LOW-MODERATED HOMOGENEOUS MIXTURES OF PLUTONIUM AND URANIUM OXIDES CONTAINING 8 AND 15 WT% PLUTONIUM
76-11-00 BIERMAN, S. R. / CLAYTON, E. D.	1453 CRITICAL EXPERIMENTS WITH LOW-MODERATED HOMOGENEOUS MIXTURES OF PLUTONIUM AND URANIUM OXIDES CONTAINING 8, 15, AND 30 WT% PLUTONIUM

ML-1-1B CRITICAL-ASSEMBLY

61-02-21 RAY, J. W. / MATTHEWS, R. G. /
HOGAN, W. S. / DINGEE, D. A. /
CHASTAIN, J. W.	1437 ML-1-1B CRITICAL-ASSEMBLY STUDIES

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50-05-11 BEALL, S. E. / BREAZEALE, W. M. /
BRIGGS, R. B. / CALLIHAN, A. D. /
JORDAN, W. H.	2058 INTERIM REPORT OF NEUTRON AND GAMMA EXPERIMENTS ON THE MTR MOCK-UP
66-08-00 LONG, J. K. / MC VEAN, R. L. /
REYNOLDS, A. B. / STEWART, S. L. /
WEITZBERG, A. / LERIDON, A. M.	522 CRITICAL MASS OF SEFOR MOCKUP IN ZPR-3
66-10-10 MC VEAN, R. L. / GOIN, R. W. /
WEITZBERG, A. / LERIDON, A. M. /
KREMSER, J.	951 CRITICAL ASSEMBLY MOCKUP OF THE SEFOR REACTOR IN ZPR-3

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66-10-10 KISTNER, G. / MIHALCZO, J. T.	953 CRITICAL EXPERIMENTS WITH A MOCKUP OF THE REPETITIVELY PULSED REACTOR SORA
68-05-22 PINCOCK, G. D. / KUNZE, J. F. / WOOD, R. E. / HYLAND, R. E.	33 CAVITY REACTOR ENGINEERING MOCKUP CRITICAL EXPERIMENT
70-01-00 HESS, A. L. / KEENEY, W. P. / MC VEAN, R. L.	1866 EXPERIMENTS WITH A SERIES OF SMALL, PLUTONIUM-PLUS-URANIUM-FUELED FAST-REACTOR CRITICALS (FARET MOCKUP--ZPR-3 ASSEMBLY 46).
70-06-00 DAVIS, E. C. / SMITH, R. I. / WILLIAMS, L. D.	1804 CRITICAL EXPERIMENTS IN AN MTR MOCKUP USING PHOENIX FUEL.
71-07-00 ASAKA, R.	1833 ANALYSIS OF CRITICAL EXPERIMENTS ON THE SORA MOCKUP BY THE S-N METHOD.

MOLYBDENUM

60-06-00 GOLDBERG, E. / KLOVERSTROM, F. A.	333 RESONANCE ABSORPTION OF NEUTRONS IN THICK SHEETS OF MOLYBDENUM
65-11-00 MIHALCZO, J. T. / KINNEY, W. E.	862 EXPERIMENTS AND CALCULATIONS ON URANIUM MOLYBDENUM ALLOY CRITICAL ASSEMBLIES
70-05-00 ANDERSON, JOHN L. / MAYO, WENDELL	1863 EFFECT OF ADDING LITHIUM NITRIDE, HAFNIUM, TANTALUM, AND TUNGSTEN TO A FAST-SPECTRUM, MOLYBDENUM-REFLECTED CRITICAL ASSEMBLY.
73-10-00 FOX, T. A.	2089 MOVABLE-MOLYBDENUM-REFLECTOR REACTIVITY EXPERIMENTS FOR CONTROL STUDIES OF COMPACT SPACE POWER REACTOR CONCEPTS

MONO-ISOPROPYLDIPHENYL

64-00-00 ALEKSENKO, U. N. / BUINITSKAYA, V. I. / ZASLAVSKII, V. V. / ZVONOV, N. V. / ET AL	865 CRITICAL EXPERIMENTS WITH THE ORGANIC COOLANTS MONO-ISOPROPYLDIPHENYL AND GAS OIL

MONTE CARLO

63-08-01 KINNEY, W. E. / MIHALCZO, J. T. / HAPPER, I.	1201 APPLICATION OF MONTE CARLO CALCULATIONAL TECHNIQUES TO THE STUDY OF FAST CRITICAL ASSEMBLIES
64-11-00 IRVING, D. C. / MIHALCZO, J. T.	801 MONTE CARLO CALCULATIONS FOR ENRICHED URANIUM METAL ASSEMBLIES
65-06-10 BENZI, V. / CUPINI, E. / DE MATTEIS, A.	1273 A MONTE CARLO ANALYSIS OF SOME ENRICHED URANIUM-235 FAST CRITICAL ASSEMBLIES
65-08-19 MIHALCZO, J. T.	1159 MULTIPLICATION FACTOR OF URANIUM METAL BY ONE-VELOCITY MONTE CARLO CALCULATIONS
66-10-10 BENZI, V. / CUPINI, E. / DE MATTEIS, A.	927 MONTE CARLO ANALYSIS OF SMALL FAST CRITICAL ASSEMBLIES
66-10-10 THOMAS, J. T.	928 MONTE CARLO CALCULATIONS OF FAST MULTICOMPONENT CRITICAL SYSTEMS
67-03-00 MIHALCZO, J. T.	553 MULTIPLICATION FACTOR OF URANIUM METAL BY ONE-VELOCITY MONTE CARLO CALCULATIONS
68-00-00 MIHALCZO, J. T.	1205 MONTE CARLO CALCULATIONS OF THICK-GRAPHITE-REFLECTED URANIUM-METAL CRITICAL ASSEMBLIES
68-06-00 MENDELSON, M. R.	414 MONTE CARLO CRITICALITY CALCULATIONS FOR THERMAL REACTORS
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68-06-00 PRUVOST, N. L. / PEFLEY, G. V.	2024 MONTE CARLO CALCULATIONS FOR ARRAYS OF PLUTONIUM UNITS
68-11-00 WEBSTER, J. W.	453 O5R MONTE CARLO CALCULATIONS OF LOW-ENRICHED URANIUM THERMAL CRITICAL ASSEMBLIES, AND EVIDENCE OF ERRORS IN URANIUM-238 CROSS SECTIONS
68-11-00 MIHALCZO, J. T.	1411 MONTE CARLO CALCULATIONS OF TWO-CORE DELAYED CRITICAL ASSEMBLIES
70-03-00 VOLPE, J. J. / HARDY, J. / KLEIN, D.	831 A COMPARISON OF THERMAL NEUTRON ACTIVATION MEASUREMENTS AND MONTE CARLO CALCULATIONS IN LIGHT-WATER-MODERATED URANIUM CELLS
70-08-05 THOMAS, J. T.	1436 URANIUM METAL CRITICALITY, MONTE CARLO CALCULATIONS AND NUCLEAR CRITICALITY SAFETY
71-06-00 CRAMER, S. N.	1635 MONTE CARLO ANALYSIS OF FAST CRITICAL ASSEMBLIES USING ENDF/B I AND II DATA.
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70-06-00 DAVIS, E. C. / SMITH, R. I. / WILLIAMS, L. D.	1804 CRITICAL EXPERIMENTS IN AN MTR MOCKUP USING PHOENIX FUEL.

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70-06-00 KUTCHER, J. W. / DAVIS, E. C. / HEEB, C. M.	1922 MTR-PHOENIX FUEL CRITICAL EXPERIMENTS AND ANALYSIS.
71-06-00 KUTCHER, J. W. / DAVIS, E. C.	1815 THE MTR-PHOENIX FUEL EXPERIMENT- CRITICAL TEST AND BURNUP RESULTS.

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55-06-29 SCHUSKE, C. L.	604 NEUTRON MULTIPLICATION MEASUREMENTS OF ORALLOY UNITS IN ARRAYS
56-08-06 SCHUSKE, C. L. / ARTHUR, M. G. / SMITH, D. F.	189 NEUTRON MULTIPLICATION MEASUREMENTS ON ORALLOY SLABS IMMERSSED IN SOLUTIONS. PART-1
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59-06-00 LLOYD, R. C. / SMITH, R. B. / CLAYTON, E. D.	2035 NEUTRON MULTIPLICATION MEASUREMENTS OF HETEROGENEOUS 3.1 PERCENT ENRICHED URANIUM-WATER SYSTEMS
59-07-27 MIHALCZO, J. T. / LYNN, J. J.	210 MULTIPLICATION MEASUREMENTS WITH HIGHLY ENRICHED URANIUM METAL SLABS
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60-11-14 SCHUSKE, C. L.	483 NEUTRON MULTIPLICATION MEASUREMENTS OF PARALLEL ARRAYS OF ORALLOY UNITS
61-04-10 MIHALCZO, J. T. / LYNN, J. J.	21 NEUTRON MULTIPLICATION EXPERIMENTS WITH ENRICHED URANIUM METAL IN SLAB GEOMETRY
61-08-21 NEELEY, V. I. / HANDLER, H. E.	166 MEASUREMENT OF MULTIPLICATION CONSTANT FOR SLIGHTLY ENRICHED HOMOGENEOUS URANIUM TRIOXIDE - WATER MIXTURES AND MINIMUM ENRICHMENT FOR CRITICALITY
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62-05-00 MIHALCZO, J. T. / NEELEY, V. I.	169 THE INFINITE MULTIPLICATION CONSTANT OF HOMOGENEOUS HYDROGEN-MODERATED 2.0 WEIGHT PERCENT URANIUM-235-ENRICHED URANIUM
65-03-00 BROWN, C. L. / LLOYD, R. C. / BIERMAN, S. R. / CLAYTON, E. D.	750 EXPONENTIAL EXPERIMENTS AND NEUTRON MULTIPLICATION MEASUREMENTS WITH 1.25 PERCENT ENRICHED N-REACTOR FUEL ELEMENTS IN LIGHT WATER
65-08-19 MIHALCZO, J. T.	1159 MULTIPLICATION FACTOR OF URANIUM METAL BY ONE-VELOCITY MONTE CARLO CALCULATIONS
67-03-00 MIHALCZO, J. T.	553 MULTIPLICATION FACTOR OF URANIUM METAL BY ONE-VELOCITY MONTE CARLO CALCULATIONS
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65-10-15 WHITE, J. D. / RICHEY, C. R.	853 NEUTRON INTERACTION BETWEEN MULTIPLYING MEDIA SEPARATED BY VARIOUS MATERIALS
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70-05-00 DENIZ, V.	1441 STUDY OF THE USE OF PULSED-NEUTRON EXPERIMENTS ON MULTIPLYING LATTICES FOR THE ADJUSTMENT OF CRITICALITY CODES
70-07-00 CHOW, R. H. / BIERMAN, S. R.	1442 PULSED NEUTRON DETERMINATION OF THE EFFECTIVE MULTIPLYING CONSTANT AND NEUTRON AGE TO THERMAL ENERGY FOR A BARE HOMOGENEOUS SUBCRITICAL ASSEMBLY OF ENRICHED URANYL NITRATE SALT

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- 54-07-23 DOWNES, K. 632 BUCKLING OF A NATURAL URANIUM LIGHT WATER MODERATED LATTICE
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56-05-31 BLOCK, E. Z. 871 CLUSTER ROD LATTICES WITH NATURAL URANIUM
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58-09-00 POPOVIC, D. 592 A BARE CRITICAL ASSEMBLY OF NATURAL URANIUM AND HEAVY WATER
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61-11-00 WINGFIELD, E. C. / HENNELLY, E. J. 2000 COMPARISON OF EXPONENTIAL AND CRITICAL BUCKLINGS FOR NATURAL URANIUM RODS IN HEAVY WATER
62-03-00 HURLEY, T. J. / FIKE, H. R. / O'NEILL, G. F. 1053 EXPERIMENTAL BUCKLINGS OF HEAVY WATER MODERATED LATTICES OF NATURAL URANIUM METAL ROD CLUSTERS
62-03-00 WINGFIELD, E. C. / HENNELLY, E. J. 1054 EXPONENTIAL MEASUREMENTS OF NATURAL URANIUM RODS IN HEAVY WATER AND COMPARISONS WITH CRITICAL EXPERIMENTS
63-06-00 GRAVES, W. E. / FIKE, H. R. / O'NEILL, G. F. 1030 EXPERIMENTAL BUCKLINGS AND VOID EFFECTS IN HEAVY WATER LATTICES OF NATURAL URANIUM OXIDE ROD CLUSTERS
63-08-00 HURLEY, T. J. 654 MEASURED LATTICE PARAMETERS FOR NATURAL URANIUM METAL ROD LATTICES IN HEAVY WATER

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63-09-00 MANSFIELD, W. K. / KIM, J. M.	1996 EXPONENTIAL EXPERIMENTS WITH WATER AND NATURAL URANIUM
65-06-00 GREEN, R. E. / SERDULA, K. J. / BIGHAM, C. B.	845 EXPERIMENTAL LATTICE PARAMETERS FOR 28-ROD CLUSTERS OF NATURAL URANIUM DIOXIDE IN HEAVY WATER
65-10-00 SERDULA, K. J. / GREEN, R. E.	782 LATTICE MEASUREMENTS WITH 19-ELEMENT NATURAL URANIUM METAL ASSEMBLIES. PART 1 - BUCKLINGS FOR A RANGE OF SPACINGS WITH HEAVY WATER AND HELIUM COOLANTS
66-06-00 GREEN, R. E. / KAY, R. E. / OKAZAKI, A. / CASINI, G. / METZDORF, H. J. / PAILLON, M.	890 EXPERIMENTAL BUCKLINGS FOR SEVEN-ROD CLUSTERS OF NATURAL URANIUM CARBIDE IN HEAVY WATER MODERATOR
66-07-00 SERDULA, K. J.	792 LATTICE MEASUREMENTS WITH 28 - ELEMENT NATURAL URANIUM DIOXIDE FUEL ASSEMBLIES PART 1. BUCKLINGS FOR A RANGE OF SPACINGS WITH THREE COOLANTS
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70-03-00 GRAY, A. W. / JONES, L. L.	652 AN ANALYTICAL STUDY OF THE MINIMUM CRITICAL MASS OF HIGHLY ENRICHED URANIUM-235 WHEN REFLECTED BY NATURAL URANIUM AND WATER MIXTURES IN OPTIMIZED LATTICES
73-12-00 LANE, R. C. / PARKER, C.	1696 MEASUREMENT OF THE CRITICAL SIZE OF SOLUTIONS OF PLUTONIUM AND NATURAL URANIUM NITRATES WITH PLUTONIUM/URANIUM RATIO OF 0.3
76-05-00 MAGNUSON, D. W.	1430 CALCULATED LIMITING CRITICAL CONCENTRATIONS OF PLUTONIUM IN NATURAL URANIUM AND WATER

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69-06-00 CRUME, E. C. / THOMAS, J. T.	1413 CRITICAL AND NEAR-CRITICAL GRAPHITE-MODERATED ARRAYS OF URANIUM(93.2) CYLINDERS

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59-07-01 KLOVERSTROM, F. A. / DECK, R. M. / REYENGA, A. J.	100 CRITICAL MEASUREMENTS ON NEAR-HOMOGENEOUS BERYLLIUM OXIDE-MODERATED, ORALLOY-FUELED SYSTEMS
60-07-11 KLOVERSTROM, F. A. / KRAFT, D. E.	22 CRITICAL MEASUREMENTS ON NEAR-HOMOGENEOUS, BERYLLIUM OXIDE-MODERATED, ORALLOY-FUELED SYSTEMS
60-09-00 KLOVERSTROM, F. A. / DECK, R. M. / REYENGA, A. J.	11 CRITICAL MEASUREMENTS ON NEAR-HOMOGENEOUS BERYLLIUM OXIDE-MODERATED, ENRICHED-URANIUM FUELED SYSTEMS
62-01-02 MORTON, J. R. / SHON, F. J. / WEIRICH, T. F. / GARDNER, L. L.	59 REACTIVITY EFFECTS OF VARIOUS REFLECTORS ON NEAR-HOMOGENEOUS, BERYLLIUM OXIDE MODERATED, ORALLOY-FUELED SYSTEMS
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67-06-00 BARDES, R. G. / GILLETTE, E. M. / NIRSCHL, R. J. / TRAYLOR, R. C.	900 EXPERIMENTAL AND ANALYTICAL DETERMINATION OF THE REACTIVITY WORTHS OF URANIUM-233, URANIUM-235, URANIUM-236 AND NEPTUNIUM-237 SAMPLES IN A SERIES OF URANIUM-235-GRAPHITE CRITICAL ASSEMBLIES

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60-06-00 MIHALCZO, J. T.	847 NEUTRON AGE AND NON-LEAKAGE PROBABILITY FOR A 2 PERCENT URANIUM-235 ENRICHED URANIUM TETRAFLUORIDE - PARAFFIN MIXTURE WITH A HYDROGEN/URANIUM RATIO OF 404

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70-04-00 JOZEFOWICZ, EDWARD T.	1614 THE BASIC STATIC PARAMETERS FOR WWR-SM LATTICES WITH WATER CHANNELS. ESTIMATION OF HETEROGENEITY EFFECT ON NEUTRON AGE.
70-07-00 CHOW, R. H. / BIERMAN, S. R.	1442 PULSED NEUTRON DETERMINATION OF THE EFFECTIVE MULTIPLYING CONSTANT AND NEUTRON AGE TO THERMAL ENERGY FOR A BARE HOMOGENEOUS SUBCRITICAL ASSEMBLY OF ENRICHED URANYL NITRATE SALT

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71-06-00 MENEGHETTI, D. / KEENEY, W. P. / VOSBURGH, R. O. / SIMON, G. G. / STENSTROM, D. G. / PHILLIPS, K. E. / GASIDLO, J. M.	1631 EXPERIMENTS AND ANALYSES OF HETEROGENEOUS CORES AND NEUTRON SPECTRA IN EBR-II CRITICAL ASSEMBLIES ON ZPR-3.

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66-06-00 PROFIO, A. E. / ANTUNEZ, H. M. / CROSBIE, K. L. / RUSSELL, J. L.	1232 TIME-OF-FLIGHT MEASUREMENT OF THE NEUTRON SPECTRUM FROM A SPHERICAL URANIUM-235 FAST REACTOR
67-01-00 BENNETT, E. F.	544 NEUTRON SPECTRUM MEASUREMENT IN A FAST CRITICAL ASSEMBLY
68-01-00 COATES, M. S. / GAYTHER, D. B. / GOODE, P. D. / TRIPP, D. J.	133 TIME OF FLIGHT MEASUREMENTS OF THE NEUTRON SPECTRUM IN A SUBCRITICAL FAST REACTOR ASSEMBLY

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61-08-00 NIKOLAYEV, M. N. / GOLOOBYEV, V. I. /
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60-01-26 GOODWIN, A. / SCHUSKE, C. L. /
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61-09-00 NEELEY, V. I. / BERBERET, J. A. /
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62-09-00 FOX, J. K. / THOMAS, J. T.	2096 CRITICAL EXPERIMENTS WITH MIXTURES OF AQUEOUS URANIUM-235-
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63-05-29 SCHUSKE, C. L. / ERNST, B. B. /
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63-11-00 THOMAS, J. T. / FOX, J. K. /
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64-07-15 LLOYD, R. C. / SKEEN, D. R. /
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65-11-00 DUBOVSKII, B. G. / ET AL	405 CRITICAL PARAMETERS OF AQUEOUS SOLUTIONS OF URANYL NITRATE AND INTERACTION OF SUBCRITICAL HOMOGENEOUS REACTORS
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66-10-15 HESS, G. M. / BIERMAN, S. R.	1258 PULSED NEUTRON SOURCE MEASUREMENTS - PLUTONIUM NITRATE SOLUTIONS
67-11-00 THOMAS, J. T.	903 CRITICALITY OF URANIUM-233 AQUEOUS NITRATE SOLUTION IN REFLECTED AND UNREFLECTED ARRAYS
67-11-00 BIERMAN, S. R. / HESS, G. M.	905 MINIMUM CRITICAL URANIUM-235 ENRICHMENT FOR URANYL NITRATE HYDROGENOUS SYSTEMS
68-04-00 BIERMAN, S. R. / HESS, G. M.	580 MINIMUM CRITICAL URANIUM-235 ENRICHMENT OF HOMOGENEOUS, HYDROGENOUS URANYL NITRATE SYSTEMS
68-06-00 BIERMAN, S. R. / HESS, G. M.	42 MINIMUM CRITICAL URANIUM-235 ENRICHMENT OF HOMOGENEOUS HYDROGENOUS URANYL NITRATE
68-06-00 LLOYD, R. C. / CLAYTON, E. D. / HANSEN, L. E.	2020 CRITICALITY OF PLUTONIUM NITRATE SOLUTIONS IN SLAB GEOMETRY
69-11-00 LLOYD, R. C. / CLAYTON, E. D. / HANSEN, L. E.	1765 CRITICALITY OF PLUTONIUM NITRATE SOLUTION SLABS HAVING HIGH PLUTONIUM-240 CONTENT.
69-11-00 CHOW, R. H. / BIERMAN, S. R.	1772 PULSED-NEUTRON DETERMINATION OF K(EFF) AND TAU IN LOW-ENRICHMENT URANYL NITRATE.
69-11-00 ROGERS, C. A. / LLOYD, R. C. / BIERMAN, S. R. / CLAYTON, E. D.	1883 REFLECTOR SAVINGS FOR URANYL NITRATE OF LOW ENRICHMENT.
70-07-00 CHOW, R. H. / BIERMAN, S. R.	1442 PULSED NEUTRON DETERMINATION OF THE EFFECTIVE MULTIPLYING CONSTANT AND NEUTRON AGE TO THERMAL ENERGY FOR A BARE HOMOGENEOUS SUBCRITICAL ASSEMBLY OF ENRICHED URANYL NITRATE SALT
70-11-00 LLOYD, R. C. / CLAYTON, E. D.	1733 CRITICALITY OF PLUTONIUM NITRATE SOLUTIONS CONTAINING RASCHIG RINGS.
71-06-00 LLOYD, R. C. / CLAYTON, E. D. / HANSEN, L. E.	1622 CRITICALITY OF PLUTONIUM NITRATE SOLUTION CONTAINING SOLUBLE GADOLINIUM.
72-06-00 CAIZERGUES, R.	1839 INTERPRETATION OF EXPERIMENTS ON AQUEOUS PLUTONIUM NITRATE SOLUTIONS.
72-11-00 LLOYD, R. C. / CLAYTON, E. D. / BIERMAN, S. R.	1671 CRITICALITY OF PLUTONIUM-URANIUM NITRATE SOLUTIONS.
73-02-00 LLOYD, R. C. / BIERMAN, S. R. / CLAYTON, E. D.	1676 CRITICALITY OF PLUTONIUM NITRATE SOLUTIONS CONTAINING BORATED RASCHIG RINGS.
73-03-00 RUECKERT, N.T. / THOMAS, W.	1691 CRITICALITY SAFETY OF PIPE INTERSECTIONS FOR PLUTONIUM NITRATE SOLUTIONS.
73-06-00 LLOYD, R. C. / CLAYTON, E. D. / HANSEN, L. E. / BIERMAN, S. R.	1683 CRITICALITY OF PLUTONIUM NITRATE SOLUTIONS IN SLAB GEOMETRY.
73-11-00 LLOYD, R. C. / CLAYTON, E. D.	1526 CRITICALITY OF PLUTONIUM-URANIUM NITRATE SOLUTIONS CONTAINING 30 WT% PLUTONIUM
74-07-00 LLOYD, R. C. / CLAYTON, E. D.	1707 CRITICALITY OF HETEROGENEOUS SYSTEMS: URANIUM OXIDE -- PLUTONIUM OXIDE SOLIDS IN FISSILE SOLUTION CONTAINING GADOLINIUM NITRATE

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75-06-00 LLOYD, R. C. / CLAYTON, E. D.	1564 CRITICALITY OF PLUTONIUM-URANIUM NITRATE SOLUTION CONTAINING GLASS RASCHIG RINGS
76-04-00 LLOYD, R. C. / CLAYTON, E. D.	1588 SUMMARY OF CRITICALITY DATA OBTAINED AT BATTELLE PACIFIC NORTHWEST LABORATORIES ON FIXED AND SOLUBLE POISONS IN URANIUM + PLUTONIUM NITRATE SOLUTIONS
76-06-00 LLOYD, R. C. / CLAYTON, E. D. /	1502 CRITICALITY OF PLUTONIUM-URANIUM NITRATE SOLUTIONS
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76-09-00 COLOMB, G. / MANGIN, D. / MAUBERT, L.	1935 CRITICALITY OF PLUTONIUM NITRATE SOLUTIONS (19% PLUTONIUM-240)
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60-06-00 MIHALCZO, J. T.	847 NEUTRON AGE AND NON-LEAKAGE PROBABILITY FOR A 2 PERCENT URANIUM-235 ENRICHED URANIUM TETRAFLUORIDE - PARAFFIN MIXTURE WITH A HYDROGEN/URANIUM RATIO OF 404

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61-06-00 HOOGERP, J. C. / ORNDORFF, J. D.	1488 CRITICAL MEASUREMENTS FOR THE KIWI-A NUCLEAR PROPULSION TEST REACTOR

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67-11-06 ERNST, B. B. / TUCK, G.

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54-11-00 CLARK, H. K.

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67-03-00 MIHALCZO, J. T.

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50-00-00 PAXTON, H. C. / ORNDOFF, J. D. / LINENBERGER, G. A.

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51-06-23 ORNDOFF, J. D. / PAXTON, H. C. / HANSEN, G. E.

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52-02-29 MC LENDON, J. D. / MORFITT, J. W.

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52-08-08 JOSEPHSON, V. / PAINE, R. W. / WOODWARD, L. L.

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64-01-27 ORNDOFF, J. D./ PAXTON, H. C.	36 MEASUREMENTS OF UNTAMPED ORALLOY ASSEMBLY
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61-04-12 BARTON, D. M./ BERNARD, W./ HANSEN, G. E.	64 CRITICAL MASSES OF COMPOSITES OF ORALLOY AND PLUTONIUM-239-PLUTONIUM-240 IN FLATTOP GEOMETRY

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59-07-01 KLOVERSTROM, F. A./ DECK, R. M./ REYENGA, A. J.	100 CRITICAL MEASUREMENTS ON NEAR-HOMOGENEOUS BERYLLIUM OXIDE-MODERATED, ORALLOY-FUELED SYSTEMS
60-07-11 KLOVERSTROM, F. A./ KRAFT, D. E.	22 CRITICAL MEASUREMENTS ON NEAR-HOMOGENEOUS, BERYLLIUM OXIDE-MODERATED, ORALLOY-FUELED SYSTEMS
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55-08-00 KOUTS, H. / PRICE, G. A. / DOWNES, K. / SHER, R. / WALSH, V.	1019 EXPONENTIAL EXPERIMENTS WITH SLIGHTLY ENRICHED URANIUM RODS IN ORDINARY WATER

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58-09-00 BROWN, W. W.	1949 EXPONENTIAL EXPERIMENTS WITH ORGANIC MODERATED URANIUM LATTICES
61-11-00 WOLFE, W. B. / MACK, R. J.	2010 SOME RECENT ZERO-POWER PHYSICS MEASUREMENTS ON THE ORGANIC MODERATED REACTOR EXPERIMENT
63-06-00 BENTON, F. D. / GRAVES, W. E.	2048 MEASUREMENTS OF BUCKLINGS AND VOID EFFECTS IN HEAVY-WATER-MODERATED, ORGANIC- OR WATER-COOLED LATTICES OF URANIUM DIOXIDE ROD CLUSTERS
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64-06-00 BENTON, F. D.	716 MEASUREMENTS OF BUCKLINGS AND VOID EFFECTS IN HEAVY WATER MODERATED, ORGANIC OR WATER COOLED LATTICES OF URANIUM DIOXIDE ROD CLUSTERS
66-08-25 PRICE, G. A. / WINDSOR, H. / TUNNEY, W. J. / HELLSTRAND, E.	803 ORGANIC COOLED, HEAVY WATER MODERATED URANIUM-233 FUELED LATTICE EXPERIMENTS
69-04-00 MATSUBARA, TAKEO/ MUKOYAMA, TAKESHI/ TADA, HIROMITSU/ TSUJI, YOSHIO.	1754 MEASUREMENTS OF LATTICE PARAMETERS WITH A SINGLE FUEL ASSEMBLY IN ORGANIC COOLANT MATERIAL.

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66-10-00 PRICE, G. A. / WINDSOR, H. / TUNNEY, W. J. / HELLSTRAND, E.	895 ORGANIC-COOLED HEAVY-WATER MODERATED URANIUM-233 FUELED LATTICE EXPERIMENTS

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59-11-00 ZWETZIG, G. B. / BELLER, L. S. / FIELD, H. C. / MOUNTFORD, L. A. / TUTTLE, R. J.	2042 INITIAL EXPERIMENTS WITH THE ORGANIC-MODERATED REACTOR CRITICAL ASSEMBLY
67-05-00 BITELLI, G. / MARTINELLI, R. / ORESTANO, F. V. / SANTANDREA, E.	558 ANALYSIS OF CRITICAL EXPERIMENTS WITH ORGANIC-MODERATED ASSEMBLIES

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819 HOMOGENEOUS CRITICAL ASSEMBLIES OF LOW ENRICHMENT URANIUM
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67-09-18 ROTHE, R. E.

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60-12-00 HANSEN, G. E. / PAXTON, H. C. / WOOD, D. P.	9 CRITICAL PLUTONIUM AND ENRICHED-URANIUM-METAL CYLINDERS OF EXTREME SHAPE
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68-06-00 PIERCE, G. A. / MORTON, J. R.	2017 MEASURED CRITICAL SPACINGS OF PLUTONIUM ARRAYS - PART 1
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76-07-00 KELLER, N. A.	1944 CALCULATION OF FOURTEEN PLUTONIUM-URANIUM CRITICAL
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64-06-00 RICHEY, C. R. / WHITE, J. D. /
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73-12-00 LANE, R. C. / PARKER, C.	1696 MEASUREMENT OF THE CRITICAL SIZE OF SOLUTIONS OF PLUTONIUM
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60-04-20 LLOYD, R. C.	2014 EXPONENTIAL EXPERIMENTS WITH POISONED MODERATOR
68-09-23 ROTHE, R. E.	984 THE INTERACTION BETWEEN POISONED AND UNPOISONED ELEMENTS IN
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73-11-00 BIERMAN, S. R./ LLOYD, R. C./
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76-04-00 LLOYD, R. C./ CLAYTON, E. D.	1588 SUMMARY OF CRITICALITY DATA OBTAINED AT BATTELLE PACIFIC
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76-10-00 BIERMAN, S. R./ DURST, B. M./
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77-11-00 DURST, B. M. / BIERMAN, S. R. /
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67-08-00 MAGNUSON, D. W.	886 ENRICHED URANIUM METAL AND POLYETHYLENE CRITICAL
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- 65-11-00 MIHALCZO, J. T. 838 CRITICAL URANIUM METAL ANNULI REFLECTED WITH POLYTHENE AND GRAPHITE
- 68-07-00 LANE, R. C. / PERKINS, O. J. E. 128 THE MEASUREMENT OF THE CRITICAL SIZE OF A HOMOGENEOUS MIXTURE OF PLUTONIUM AND NATURAL URANIUM OXIDES WITH POLYTHENE

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53-11-05 KOUTS, H. / DOWNES, K. / PRICE, G. A. / SHER, R. / WALSH, V.	631 BUCKLING OF LIGHT WATER LATTICES (0.600 INCHES DIAMETER RODS - 1.3 PERCENT AND 1.15 PERCENT URANIUM-235
55-02-07 KOUTS, H. / PRICE, G. A. / DOWNES, K. / SHER, R. / WALSH, V.	2043 BUCKLING OF LIGHT-WATER MODERATED LATTICES OF .387-INCH DIAMETER, 1.027% ENRICHED URANIUM RODS
55-08-00 KOUTS, H. / PRICE, G. A. / DOWNES, K. / SHER, R. / WALSH, V.	1019 EXPONENTIAL EXPERIMENTS WITH SLIGHTLY ENRICHED URANIUM RODS IN ORDINARY WATER
57-09-27 OKAZAKI, A. / HONE, D. W.	2104 LATTICE EXPERIMENTS FOR CLUSTERS OF NINETEEN 1.31 CM. DIAMETER URANIUM METAL RODS IN HEAVY WATER
58-01-00 BROWN, J. R. / HARRIS, D. R. / FRANTZ, F. S. / VOLPE, J. J. / ANDREWS, J. C. / NOORDHOFF, B. H.	2076 KINETIC AND BUCKLING MEASUREMENTS ON LATTICES OF SLIGHTLY ENRICHED URANIUM OR URANIUM DIOXIDE RODS IN LIGHT WATER
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60-03-30 GROB, V. E. / DAVISON, P. W. / HANLEN, D. F. / LEAMER, R. D. / KELLEY, F. L. / CLEARY, J. D.	681 MULTI-REGION REACTOR LATTICE STUDIES RESULTS OF CRITICAL EXPERIMENTS IN LOOSE LATTICES OF URANIUM DIOXIDE RODS IN WATER
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61-06-00 BAUMANN, N. P. / HENNELLY, E. J.	1481 BUCKLING MEASUREMENTS OF HEAVY-WATER MODERATED CLUSTERS OF NATURAL URANIUM OXIDE RODS
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63-02-27 PIOWATY, J. M. / MORTON, J. R. / GARDNER, L. L.	62 COUPLING EFFECTS OF HAFNIUM CONTROL RODS IN A NEAR-HOMOGENEOUS, BERYLLIUM-OXIDE-MODERATED, ORALLOY-FUELED SYSTEM
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69-11-00 TUCK, G. / CLARK, H. E.	1761 SLAB CYLINDER-ARRAY EXPERIMENTAL DATA.
69-12-00 ROTHE, R. E./ SCHUSKE, C. L./ HICKS, E. E.	1750 CRITICALITY OF A URANIUM-SOLUTION SLAB UNDER VARIOUS REFLECTOR CONDITIONS.
70-06-00 TUCK, G./ CLARK, H. E.	1558 CRITICAL PARAMETERS OF A URANIUM SOLUTION SLAB CYLINDER SYSTEM
73-06-00 LLOYD, R. C./ CLAYTON, E. D./ HANSEN, L. E./ BIERMAN, S. R.	1683 CRITICALITY OF PLUTONIUM NITRATE SOLUTIONS IN SLAB GEOMETRY.

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54-07-14 GILLEY, L. W./ CRONIN, D. F./ HARNESS, V. G.	196 BORON POISONING IN CRITICAL SLABS
56-08-06 SCHUSKE, C. L./ ARTHUR, M. G./ SMITH, D. F.	189 NEUTRON MULTIPLICATION MEASUREMENTS ON ORALLOY SLABS IMMERSED IN SOLUTIONS. PART-1
56-10-25 SCHUSKE, C. L./ ARTHUR, M. G./ SMITH, D. F.	190 NEUTRON MULTIPLICATION MEASUREMENTS ON ORALLOY SLABS IMMERSED IN SOLUTION. PART-2
57-04-00 MC FARLAND, C. E. / VOORHIS, A. D.	2074 EXPERIMENTAL AND THEORETICAL STUDY OF CRITICAL SLABS. EFFECT OF DIFFERENT REFLECTOR ARRANGEMENTS AND COMPOSITIONS
57-04-00 VOORHIS, A. D. / RYAN, T. M. / GOLDSMITH, M. / JONES, R. T.	2075 EXPERIMENTAL AND THEORETICAL STUDY OF CRITICAL SLABS. EFFECT OF ABSORBING MEMBRANES OF CADMIUM, GOLD, AND BORON

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59-06-00 WOODCOCK, E. R.	806 CRITICAL ASSEMBLIES OF INFINITE SLABS OF HIGHLY ENRICHED URANIUM AND WATER
59-07-27 MIHALCZO, J. T. / LYNN, J. J.	210 MULTIPLICATION MEASUREMENTS WITH HIGHLY ENRICHED URANIUM METAL SLABS
59-11-00 MIHALCZO, J. T. / LYNN, J. J.	2039 MULTIPLICATION MEASUREMENTS WITH SLABS OF ENRICHED URANIUM
59-12-28 SCHUSKE, C. L. / GOODWIN, A. /
BIDINGER, G. H. / SMITH, D. F.	181 INTERACTION OF TWO METAL SLABS OF PLUTONIUM IN PLEXIGLASS
61-10-03 THOMAS, A. F.	1443 INTERIM NOTE ON CRITICAL THICKNESS MEASUREMENTS WITH 45% ENRICHMENT URANIUM SLABS
62-10-08 HANSEN, G. E. / WOOD, D. P. / PENA, B.	92 REFLECTOR SAVINGS OF MODERATING MATERIALS ON LARGE DIAMETER URANIUM SLABS, ENRICHED TO 93.2 PERCENT IN URANIUM-235
69-11-00 LLOYD, R. C. / CLAYTON, E. D. /
HANSEN, L. E.	1765 CRITICALITY OF PLUTONIUM NITRATE SOLUTION SLABS HAVING HIGH PLUTONIUM-240 CONTENT.

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54-11-00 BROWN, J. R. / NOORDHOFF, B. H. /
PROFIO, A. E. / BATESON, W. O.	2059 REACTOR PROPERTIES OF WATER MODERATED SLIGHTLY ENRICHED URANIUM LATTICES
55-08-00 KOUTS, H. / PRICE, G. A. / DOWNES, K. /
SHER, R. / WALSH, V.	1019 EXPONENTIAL EXPERIMENTS WITH SLIGHTLY ENRICHED URANIUM RODS IN ORDINARY WATER
55-09-07 CRONIN, D. F. / THOMAS, J. T.	855 CRITICAL PARAMETERS OF SLIGHTLY ENRICHED URANIUM SOLUTIONS IN SPHERICAL GEOMETRY
56-09-00 LOCKEY, D. J. / PEARSON, H. / POPE, A. L. /
WELLS, C. M.	2097 EXPONENTIAL EXPERIMENTS WITH NATURAL AND SLIGHTLY ENRICHED URANIUM, GRAPHITE MODERATED SYSTEMS
57-07-00 CROCKER, V. S. / DAVEY, W. G. /
SMITH, K. R. E.	2099 APPROACH TO CRITICAL EXPERIMENTS WITH SLIGHTLY ENRICHED URANIUM IN NATURAL WATER
57-09-00 KOUTS, H. / SHER, R.	197 EXPERIMENTAL STUDIES OF SLIGHTLY ENRICHED URANIUM, WATER-MODERATED LATTICES
58-01-00 BROWN, J. R. / HARRIS, D. R. /
FRANTZ, F. S. / VOLPE, J. J. /
ANDREWS, J. C. / NOORDHOFF, B. H.	2076 KINETIC AND BUCKLING MEASUREMENTS ON LATTICES OF SLIGHTLY ENRICHED URANIUM OR URANIUM DIOXIDE RODS IN LIGHT WATER
58-09-00 KOUTS, H. / SHER, R. / BROWN, J. R. /
KLEIN, D. / STEIN, S. / HELLENS, R. L. /
ARNOLD, H.	1086 PHYSICS OF SLIGHTLY ENRICHED, NORMAL WATER LATTICES (THEORY AND EXPERIMENT).
59-04-01 DAVISON, P. W. / BERG, S. S. /
BERGMANN, W. H. / HANLEN, D. F. /
JENNINGS, B. / LEAMER, R. D. /
HOWARD, J. E.	472 YANKEE CRITICAL MEASUREMENTS - MEASUREMENTS ON LATTICES OF STAINLESS STEEL CLAD SLIGHTLY ENRICHED URANIUM DIOXIDE FUEL RODS IN LIGHT WATER
59-11-30 DAVISON, P. W. / GROB, V. E. /
HANLEN, D. F. / LEAMER, R. D. /
RITZ, H. / SANTANDREA, E.	680 TWO REGION CRITICAL EXPERIMENTS WITH WATER MODERATED SLIGHTLY ENRICHED URANIUM DIOXIDE LATTICES
61-08-21 NEELEY, V. I. / HANDLER, H. E.	166 MEASUREMENT OF MULTIPLICATION CONSTANT FOR SLIGHTLY ENRICHED HOMOGENEOUS URANIUM TRIOXIDE - WATER MIXTURES AND MINIMUM ENRICHMENT FOR CRITICALITY
63-06-30 CAMPBELL, R. W. / DOYAS, R. J. /
FIELD, H. C. / GUDERJAHN, C. A. /
GUENTHER, R. L. / HAUSKNECT, D. F. /
MAYER, M. S. / MOREWITZ, H. A.	468 CRITICAL EXPERIMENTS ON SLIGHTLY ENRICHED URANIUM METAL FUEL ELEMENTS IN GRAPHITE LATTICES
63-11-00 ENGELDER, T. C. / CLARK, R. H. /
BALDWIN, M. N. / DEROCHÉ, E. J. /
FAIRBURN, G. T. / HALLAM, J. W.	628 MEASUREMENTS AND ANALYSIS OF UNIFORM LATTICE OF SLIGHTLY ENRICHED URANIUM DIOXIDE MODERATED BY HEAVY WATER-WATER MIXTURES

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64-08-00 NAUDET, R. / CHABRILLAC, M. /
LEDANOIS, G. / LOURME, P.	723 CRITICAL EXPERIMENTS IN AQUILON WITH FUELS SLIGHTLY
ENRICHED IN URANIUM 235 OR IN PLUTONIUM
65-02-00 RICHEY, C. R. / LLOYD, R. C. /
CLAYTON, E. D.	390 CRITICALITY OF SLIGHTLY ENRICHED URANIUM IN WATER-MODERATED
LATTICES
65-11-00 BROWN, C. L. / LLOYD, R. C.	839 RECENT EXPONENTIAL AND CRITICAL EXPERIMENTS WITH SLIGHTLY
ENRICHED URANIUM METAL TUBES IN LIGHT WATER
66-06-00 BOYNTON, A. R. / PENNINGTON, E. M.	892 CRITICAL EXPERIMENTS AND CALCULATIONS IN SOME VERY
UNDERMODERATED, SLIGHTLY ENRICHED, URANIUM OXIDE/WATER
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54-07-14 FOX, J. K. / MARABLE, J. H.	867 CRITICALITY DATA FOR URANIUM-ALUMINUM SLUG LATTICES IN WATER
73-11-00 SMOTREL, J. R.	1523 LIGHT-WATER-MODERATED REACTIVITY OF TUBULAR SLUG PAIRS
CONTAINING 1.1 WT% ENRICHED URANIUM
73-11-00 SMOTREL, J. R.	1694 LIGHT-WATER-MODERATED REACTIVITY OF TUBULAR SLUG PAIRS
CONTAINING 1.1 WT% URANIUM-235

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50-07-11 CALLIHAN, A. D. / MC LENDON, J. D. /
MORFITT, J. W.	2045 CRITICALITY TEST ON P-10 ALLOY SLUGS
62-05-28 FOX, J. K. / GILLEY, L. W.	1978 CRITICAL MASS STUDIES: PART XI, CRITICAL PARAMETERS OF
URANIUM-ALUMINUM ALLOY SLUGS

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54-06-17 CRONIN, D. F. / CALLIHAN, A. D.	234 CRITICAL MASS STUDIES, PART 7 AQUEOUS URANIUM SLURRIES

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61-01-00 MC COOL, W. J. / ROBINSON, R. A. /
SCHRADER, E. W. / WEISS, S. H.	1047 SM-2 FLEXIBLE CRITICAL EXPERIMENTS

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47-08-18 MANN, M. M. / MARTIN, A. B.	1986 CRITICAL EXPERIMENTS ON A SMALL REACTOR OF ENRICHED URANIUM-
235 WITH ALUMINUM-WATER MODERATOR AND DEUTERIUM OXIDE,
BERYLLIUM, AND WATER REFLECTORS
48-08-17 MARTIN, A. B. / MANN, M. M.	1975 FURTHER CRITICAL EXPERIMENTS ON A SMALL REACTOR OF ENRICHED
URANIUM-235 WITH ALUMINUM-WATER MODERATOR AND A BERYLLIUM
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55-08-00 CALLIHAN, A. D. / MORFITT, J. W. /
THOMAS, J. T.	325 SMALL THERMAL HOMOGENEOUS CRITICAL ASSEMBLIES
56-00-00 CALLIHAN, A. D.	289 SMALL THERMAL HOMOGENEOUS CRITICAL ASSEMBLIES
61-08-00 PENDLEBURY, E. D.	436 THE SENSITIVITY OF CALCULATED CRITICAL MASSES OF SMALL FAST
SYSTEMS TO CHANGES IN THE URANIUM-235 AND URANIUM-238
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62-12-28 MIHALCZO, J. T.	1972 A SMALL GRAPHITE-REFLECTED URANIUM-DIOXIDE ASSEMBLY
63-00-00 ENGELDER, T. C. / SNIDOW, N. L. /
ROBERTS, D. M. / FAIRBURN, G. T. /
ROY, D. H.	347 MEASUREMENTS OF $K(\infty)$ AND OTHER PARAMETERS IN THE SMALL
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63-04-00 MC VEAN, R. L. / AMUNDSON, P. I. /
BRUNSON, G. S. / GASIDLO, J. M. \	80 CRITICAL STUDIES OF A SMALL URANIUM CARBIDE FUELED REACTOR
WITH A BERYLLIUM REFLECTOR (ZPR-3 ASSEMBLY 40)
63-08-01 MIHALCZO, J. T.	1200 SMALL GRAPHITE-OR BERYLLIUM-REFLECTED URANIUM-DIOXIDE
CRITICAL ASSEMBLIES
64-02-00 DAVEY, W. G.	455 CALCULATIONS OF K FOR SOME SMALL URANIUM-233-, URANIUM-235-,
AND PLUTONIUM-239- FUELED FAST REACTORS
66-10-10 BENZI, V. / CUPINI, E. / DE MATTEIS,
A.	927 MONTE CARLO ANALYSIS OF SMALL FAST CRITICAL ASSEMBLIES
67-12-23 MILANI, S. / WEISS, S. H.	594 SMALL URANIUM-233 FUELED SEED-AND-BLANKET CRITICAL
EXPERIMENTS (LWBR-LSBR DEVELOPMENT PROGRAM)
70-01-00 HESS, A. L. / KEENEY, W. P. / MC
VEAN, R. L.	1866 EXPERIMENTS WITH A SERIES OF SMALL, PLUTONIUM-PLUS-URANIUM-
FUELED FAST-REACTOR CRITICALS (FARET MOCKUP--ZPR-3 ASSEMBLY
46).

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66-10-10 ENGELMANN, P. / BICKEL, W. / DAUNERT,
U. / HABERMANN, F. W. A. / VAN
VELZE, P. L. / WALZE, H. / WITTEK, G.	965 CONSTRUCTION AND EXPERIMENTAL EQUIPMENT OF THE KARLSRUHE
FAST CRITICAL FACILITY, SNEAK
66-10-10 ENGELMANN, P. / BOHME, R. / BRUHN, G.
/ DURAND-SMET, R. / FOELL, W. K. /
HABERMANN, F. W. A. / SCHRODER, R. /
WINTZER, D.	967 INITIAL EXPERIMENTS IN THE KARLSRUHE FAST CRITICAL FACILITY,
SNEAK
70-06-00 BOEHNEL, K. / MEISTER, H.	1805 FAST REACTOR LATTICE EXPERIMENT FOR INVESTIGATION OF K(INF)
AND REACTION RATE RATIOS IN SNEAK, ASSEMBLY 5.
70-06-00 CLOUET D'ORVAL, C. / ENGELMANN, P.
/ HELM, F. / JOURDAN, G. / MEYER-
HEINE, A. / PILATE, S. / SCHMITT,
P. / TRETIKOFF, O. / VIDAL, R. /
WITTEK, G.	1920 JOINT EXPERIMENTS ON MASURCA, ERMIN, AND SNEAK IN SUPPORT
OF THE FAST BREEDER PROJECTS PHENIX AND SNR.
77-01-00 FISCHER, E. A.	1508 INTEGRAL MEASUREMENTS OF THE EFFECTIVE DELAYED NEUTRON
FRACTIONS IN THE FAST CRITICAL ASSEMBLY SNEAK

SNEAK-7A

74-03-00 FISCHER, E. A. / MC GRATH, P. E.	1708 PHYSICS INVESTIGATIONS OF TWO PLUTONIUM-FUELED FAST
CRITICAL ASSEMBLIES: SNEAK-7A AND 7B |
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SNR

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57-11-12 BROWN, W. W. / CAMPBELL, R. W. /
GUDERJAHN, C. A. / LAUBENSTEIN, R.
A.	2083 PHYSICS EXPERIMENTS PERFORMED FOR AND ON SODIUM GRAPHITE
REACTORS
64-05-00 GASIDLO, J. M. / LONG, J. K. /
KEENEY, W. P.	12 DOPPLER EFFECT MEASUREMENTS, SODIUM VOID COEFFICIENTS, AND
CRITICAL STUDIES OF A 5000-LITER FAST POWER BREEDER REACTOR
BY THE TWO-ZONE METHOD (ZPR-3 ASSEMBLY 43)

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- 62-11-00 FEINER, F. / WEINSTEIN, S. / OAKS, W. C. / COOPER, K. V. 2046 PRECISE CRITICALITY DETERMINATIONS IN THE SOLID HOMOGENEOUS ASSEMBLY

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- 74-06-00 LLOYD, R. C. 1541 CRITICALITY OF URANIUM-DIOXIDE/PLUTONIUM-DIOXIDE SOLIDS IN FISSION SOLUTION
- 74-07-00 LLOYD, R. C. / CLAYTON, E. D. 1707 CRITICALITY OF HETEROGENEOUS SYSTEMS: URANIUM OXIDE -- PLUTONIUM OXIDE SOLIDS IN FISSION SOLUTION CONTAINING GADOLINIUM NITRATE
- 74-11-00 LLOYD, R. C. / CLAYTON, E. D. 1552 CRITICALITY OF HETEROGENEOUS SYSTEMS: URANIUM DIOXIDE/PLUTONIUM DIOXIDE SOLIDS IN FISSION SOLUTION CONTAINING GADOLINIUM NITRATE

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- 76-04-00 LLOYD, R. C. / CLAYTON, E. D. 1588 SUMMARY OF CRITICALITY DATA OBTAINED AT BATTELLE PACIFIC NORTHWEST LABORATORIES ON FIXED AND SOLUBLE POISONS IN URANIUM + PLUTONIUM NITRATE SOLUTIONS

SOLUTION COMBINATIONS

- 70-06-00 HUNT, D. C. / ROTHE, R. E. 1925 CRITICALITY MEASUREMENTS ON URANIUM METAL SOLUTION COMBINATIONS.

SOLUTION CYLINDERS

- 60-03-00 SMITH, J. C. / PARKER, A. V. / WALFORD, J. G. / WHITE, C. 639 CRITICALITY OF 30 PERCENT ENRICHED URANIUM SOLUTIONS IN CYLINDRICAL GEOMETRY. INTERIM REPORT
- 74-07-00 ROTHE, R. E. / HUNT, D. C. 1544 EFFECT OF POSITION IN THE CRITICALITY OF URANIUM SPHERES IN URANIUM SOLUTION CYLINDERS

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- 65-07-23 WEBSTER, J. W. / JOHNSON, E. B. 124 CRITICALITY OF A SINGLE UNIT OF AQUEOUS URANYL FLUORIDE SOLUTION ENRICHED TO 5 PERCENT IN URANIUM-235

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- 59-09-00 FOX, J. K. / GILLEY, L. W. / GWIN, R. / MAGNUSON, D. W. 163 CRITICAL PARAMETERS OF URANIUM-235 AND URANIUM-233 SOLUTION IN SIMPLE GEOMETRY

SOLUTION OF PLUTONIUM

- 64-06-00 BRUNA, J. G. / BRUNET, J. P. / CLOUET D'ORVAL, C. / KREMSER, J. 717 CRITICALITY EXPERIMENT ON A SOLUTION OF PLUTONIUM AND OF 90% ENRICHED URANIUM. EXPERIMENTAL RESULTS AND CALCULATIONS ON TANK NUMBER 2

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- 68-04-00 WEBSTER, J. W. 579 MINIMUM THICKNESS OF A WATER-REFLECTED INFINITE SLAB OF AN AQUEOUS SOLUTION OF URANYL FLUORIDE AT OPTIMUM CONCENTRATION

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69-10-00 FIENO, D. / FOX, T. A. / MUELLER, R. A. / FORD, C. H.	2092 ANALYSIS AND EXPERIMENTS WITH A PULSED NEUTRON SOURCE FOR AN UNREFLECTED SOLUTION REACTOR UP TO 50 DOLLARS SHUTDOWN
71-09-00 FOX, T. A. / MUELLER, R. A. / FIENO, D.	1991 CRITICALITY STUDY OF NASA SOLUTION REACTORS WITH 25.4 CENTIMETER- DIAMETER CYLINDRICAL STAINLESS-STEEL TANKS

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69-11-00 LLOYD, R. C. / CLAYTON, E. D. / HANSEN, L. E.	1765 CRITICALITY OF PLUTONIUM NITRATE SOLUTION SLABS HAVING HIGH PLUTONIUM-240 CONTENT.

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69-02-00 ROTHE, R. E.	494 CRITICAL MEASUREMENTS ON AN ENRICHED URANIUM SOLUTION SYSTEM
75-03-00 ROTHE, R. E. / ALVAREZ, D. L. / CLARK, H. E.	1559 THE CRITICALITY OF PERIODICALLY BORON-POISONED URANIUM SOLUTION SYSTEMS
78-04-00 ROTHE, R. E. / OH, I.	2095 BENCHMARK CRITICAL EXPERIMENTS ON HIGH-ENRICHED URANYL NITRATE SOLUTION SYSTEMS

SOLUTIONS AND BOROSILICATE GLASS

62-09-00 FOX, J. K. / THOMAS, J. T.	2096 CRITICAL EXPERIMENTS WITH MIXTURES OF AQUEOUS URANIUM-235-ENRICHED URANYL NITRATE SOLUTIONS AND BOROSILICATE GLASS RINGS

SOLUTIONS CONTAINING ENRICHED URANIUM

64-12-00 JOHNSON, E. B. / CRONIN, D. F.	738 CRITICAL DIMENSIONS OF AQUEOUS URANIUM DIOXIDE FLUORIDE SOLUTIONS CONTAINING 4.9 PERCENT URANIUM-235 ENRICHED URANIUM

SOLUTIONS IN SIMPLE GEOMETRY

58-10-29 FOX, J. K. / GILLEY, L. W. / GWIN, R. / THOMAS, J. T.	164 CRITICAL PARAMETERS OF URANIUM SOLUTIONS IN SIMPLE GEOMETRY

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64-08-00 ITHURRALDE, M. F. / KREMSER, J. / LECLERC, J. / LOMBARD, C. / MOREAU, J. / ROBIN, C.	280 INTERPRETATION OF CRITICALITY EXPERIMENTS ON HOMOGENEOUS SOLUTIONS OF PLUTONIUM AND URANIUM
67-12-00 BOULY, J. C. / CAIZERGUES, R. / DEILGAT, E. / HOUELLE, M. / LECORCHE, P.	65 CRITICAL EXPERIMENTS WITH HOMOGENEOUS SOLUTIONS OF PLUTONIUM - EXPERIMENTAL RESULTS - THEORETICAL INTERPRETATIONS

SOLUTIONS OF URANIUM-233

59-09-23 FOX, J. K. / GILLEY, L. W. / ROHRER, E. R.	111 CRITICAL MASS STUDIES, PART-8 AQUEOUS SOLUTIONS OF URANIUM-233
67-10-00 WEBSTER, J. W.	439 CALCULATED NEUTRON MULTIPLICATION FACTORS OF UNIFORM AQUEOUS SOLUTIONS OF URANIUM-233 AND URANIUM-235

SOLUTIONS OF URANIUM-235

56-11-05 FOX, J. K. / GILLEY, L. W.	205 CRITICAL EXPERIMENTS WITH AQUEOUS SOLUTIONS OF URANIUM-235
58-00-00 FOX, J. K. / GILLEY, L. W.	368 CRITICAL PARAMETERS OF AQUEOUS SOLUTIONS OF URANIUM-235

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58-08-01 FOX, J. K. / GILLEY, L. W.

372 CRITICAL PARAMETERS FOR POISONED ANNULAR CYLINDERS
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64-09-00 DUBOVSKII, B. G. / KAMAIEV, A. V. /
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692 THE CRITICAL PARAMETERS OF AQUEOUS SOLUTIONS OF URANIUM
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65-00-00 DUBOVSKII, B. G. / KAMAIEV, A. V. /
KUZNETSOV, F. M. / VLADYKOV, G. M. /
/ POPOV, G. A. / PALAMARCHUK, YU.
D.

759 CRITICAL PARAMETERS FOR AQUEOUS SOLUTIONS OF URANIUM NITRATE

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58-00-00 KING, D. T. / WALL, G. P. / WHITE, J.
W. C.

286 CRITICAL ASSEMBLIES WITH HEAVY WATER SOLUTIONS OF URANYL
FLUORIDE PART 1 FUEL SYSTEM

58-11-00 HARRISON, J. R. / SMITH, M. F. /
CLARKE, W. G. / MILLS, A. M. / DYSON,
J. A.

66 CRITICAL ASSEMBLIES WITH HEAVY WATER SOLUTIONS OF URANYL
FLUORIDE (H.A.Z.E.L.) - PART-2, PHYSICS

59-07-00 CARTER, C. / LANG, P. K. H. / MYATT,
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67 CRITICAL ASSEMBLIES WITH HEAVY WATER SOLUTIONS OF URANYL
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65-11-00 DUBOVSKII, B. G. / ET AL

405 CRITICAL PARAMETERS OF AQUEOUS SOLUTIONS OF URANYL NITRATE
AND INTERACTION OF SUBCRITICAL HOMOGENEOUS REACTORS

SOLUTION SYSTEMS

74-07-00 LLOYD, R. C.

1545 CALCULATION ON RASCHIG-RING-POISONED PLUTONIUM SOLUTION
SYSTEMS USING HANSEN-ROACH CROSS SECTIONS

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66-10-10 KISTNER, G. / MIHALCZO, J. T.

953 CRITICAL EXPERIMENTS WITH A MOCKUP OF THE REPETITIVELY
PULSED REACTOR SORA

68-06-00 KISTNER, G. / MIHALCZO, J. T.

32 CRITICAL EXPERIMENTS FOR THE REPETITIVELY PULSED REACTOR
SORA

69-01-00 KISTNER, G. / MIHALCZO, J. T.

500 CRITICAL EXPERIMENTS FOR THE REPETITIVELY PULSED REACTOR
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71-07-00 ASAKA, R.

1833 ANALYSIS OF CRITICAL EXPERIMENTS ON THE SORA MOCKUP BY THE
S-N METHOD.

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59-02-05 KLOVERSTROM, F. A. / KOMOTO, T. T.

65 PULSED NEUTRON SOURCE STUDIES OF GRAPHITE-ENRICHED URANIUM
SYSTEMS

64-00-00 WEALE, J. W. / PATERSON, W. J.

304 PULSED SOURCE METHODS IN FAST REACTOR PHYSICS

64-00-00 GIBSON, I. H. / WALKER, J.

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66-10-15 HESS, G. M. / BIERMAN, S. R.

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- 62-06-30 BENSON, G. M. / FOX, R. H. 58 ROOM TEMPERATURE CRITICAL MEASUREMENTS ON THORIUM-LOADED,
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- 59-11-00 SKEEN, C. H. / BROWN, W. W. 2040 A THORIUM-URANIUM EXPONENTIAL EXPERIMENT

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- 68-01-00 COATES, M. S. / GAYTHER, D. B. / 133 TIME OF FLIGHT MEASUREMENTS OF THE NEUTRON SPECTRUM IN A
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- 66-06-00 PROFIO, A. E. / ANTUNEZ, H. M. / 1232 TIME-OF-FLIGHT MEASUREMENT OF THE NEUTRON SPECTRUM FROM A
CROSBIE, K. L. / RUSSELL, J. L. SPHERICAL URANIUM-235 FAST REACTOR

LLL BIBLIOGRAPHY OF CRITICAL EXPERIMENTS CONCORDANCE ON KEYPHRASES IN TITLES

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50-09-12 PAXTON, H. C.	613 EFFECTS OF FOREIGN MATERIALS IN THE TOPSY METAL ASSEMBLY - PRELIMINARY
53-06-00 WHITE, R. H.	180 TOPSY, A REMOTELY CONTROLLED MACHINE FOR THE STUDY OF CRITICAL ASSEMBLIES
54-04-00 LINENBERGER, G. A. / LOWRY, L. L.	227 NEUTRON DETECTOR TRAVERSES IN THE TOPSY AND GODIVA CRITICAL ASSEMBLIES
55-10-00 PAXTON, H. C.	315 CRITICAL ASSEMBLIES AT LOS ALAMOS, GODIVA, TOPSY, JEZEBEL
56-03-00 WHITE, R. H.	5 TOPSY, A REMOTELY CONTROLLED CRITICAL ASSEMBLY MACHINE

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62-03-20 RALSTON, H. R.	1256 THE LIVERMORE COLD-CRITICAL EXPERIMENTS ON TORY II-A AND II-C

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74-12-00 MAGNUSON, D. W.	1710 CRITICALITY CALCULATIONS FOR PLUTONIUM-DIOXIDE/URANIUM-DIOXIDE/WATER MIXTURES USING ENDF/B VERSION III CROSS SECTION DATA AND 123 GROUP XSRDRN TRANSPORT CODE

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63-11-00 WEINSTEIN, S. / FEINER, F.	1478 REACTIVITY WORTH OF TRANSVERSE GAPS

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54-04-00 LINENBERGER, G. A. / LOWRY, L. L.	227 NEUTRON DETECTOR TRAVERSES IN THE TOPSY AND GODIVA CRITICAL ASSEMBLIES

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58-04-29 LILLEY, J. R. / ENGESSER, F. C.	878 K(INF) MEASUREMENTS FOR A THREE PIECE, ANNULAR URANIUM DIOXIDE FUEL ELEMENT IN AN 8 INCH TRIANGULAR HEAVY WATER LATTICE

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52-02-01 HANSEN, G. E. / WOOD, D. P.	88 PRECISION CRITICAL-MASS DETERMINATIONS FOR ORALLOY AND PLUTONIUM IN SPHERICAL TUBALLOY TAMPERS
54-05-00 JOSEPHSON, V.	134 CRITICAL MASS MEASUREMENT ON ORALLOY IN TUBALLOY AND TUNGSTEN CARBIDE TAMPERS

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57-11-12 LANNING, D. D. / DONAHUE, D. J. / BENNETT, R. A.	2060 THE NUCLEAR PARAMETERS OF SOME LARGE PROCESS TUBE LATTICES FROM PCTR MEASUREMENTS
61-11-00 POWELL, R. R. / WILLIAMS, P. M.	2006 PRESSURE TUBE REACTOR CRITICAL EXPERIMENT
64-02-00 ACCINNI, F. / PALAZZI, F. / ZORZOLI, G. B.	1871 PRELIMINARY REPORT ON URANIUM METAL TUBE CLUSTER-HEAVY WATER LATTICE MEASUREMENTS. TOPICAL REPORT NO. 2.
65-10-15 BROWN, C. L. / LLOYD, R. C.	777 MEASUREMENTS OF MATERIAL BUCKLINGS FOR 1.002, 1.25 AND 1.95 PERCENT WEIGHT URANIUM-235 ENRICHED URANIUM TUBE LATTICES IN LIGHT WATER

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65-11-00 BROWN, C. L. / LLOYD, R. C.	839 RECENT EXPONENTIAL AND CRITICAL EXPERIMENTS WITH SLIGHTLY ENRICHED URANIUM METAL TUBES IN LIGHT WATER
67-01-00 BROWN, C. L. / LLOYD, R. C.	543 MATERIAL BUCKLINGS FOR 1.002, 1.25, AND 1.95 WT% URANIUM-235- ENRICHED URANIUM TUBES IN LIGHT WATER
67-06-00 BROWN, C. L. / HANSEN, L. E. /
TOFFER, H.	898 EXPERIMENTAL BUCKLING MEASUREMENTS WITH 2.1 PERCENT ENRICHED URANIUM TUBES IN LIGHT WATER
69-03-00 BROWN, C. L. / HANSEN, L. E.	1143 MATERIAL BUCKLING MEASUREMENTS WITH 2.1 WEIGHT PERCENT URANIUM-235 ENRICHED URANIUM TUBES IN LIGHT WATER
69-12-00 BARBRY, F. / BOULY, J. C. /
CAIZERGUES, R. / DEILGAT, E. /
HOUELLE, M. / LECORCHE, P.	1898 THEORETICAL AND EXPERIMENTAL RESEARCH INTO THE HETEROGENEOUS POISONING OF FISSIONABLE MATERIAL SOLUTIONS BY TUBES OR RINGS OF BOROSILICATE GLASS.

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54-05-00 JOSEPHSON, V.	134 CRITICAL MASS MEASUREMENT ON ORALLOY IN TUBALLOY AND TUNGSTEN CARBIDE TAMPERS
70-05-00 ANDERSON, JOHN L. / MAYO, WENDELL	1863 EFFECT OF ADDING LITHIUM NITRIDE, HAFNIUM, TANTALUM, AND TUNGSTEN TO A FAST-SPECTRUM, MOLYBDENUM-REFLECTED CRITICAL ASSEMBLY.

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65-12-00 DOERNER, R. C. / KNAPP, W. G. /
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67-02-00 KNAPP, W. G. / DOERNER, R. C.	118 PHYSICS MEASUREMENTS WITH MODIFIED DILUENT COMPOSITIONS IN TUNGSTEN-BASED, ALUMINUM-REFLECTED FAST REACTORS
67-03-00 DOERNER, R. C. / KNAPP, W. G. /
ALMENAS, K. K. / KARAM, R. A.	119 PHYSICS MEASUREMENTS IN TUNGSTEN-BASED, ALUMINUM-REFLECTED FAST REACTORS

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75-06-00 HANSEN, G. E. / PAXTON, H. C.	1719 A TUNGSTEN-CARBIDE CRITICAL ASSEMBLY

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66-00-00 BUTLER, D. K. / DOERNER, R. C. /
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52-02-29 MC LENDON, J. D. / MORFITT, J. W.	1979 CRITICAL MASS TESTS ON ORALLOY MACHINE TURNINGS

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59-11-30 DAVISON, P. W. / GROB, V. E. /
HANLEN, D. F. / LEAMER, R. D. /
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63-01-11 MIHALCZO, J. T.	30 PROMPT NEUTRON DECAY IN A TWO-COMPONENT ENRICHED URANIUM METAL CRITICAL ASSEMBLY

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- 58-03-00 HOFMANN, P. L. / STORM, M. L. 1133 TWO-DIMENSIONAL (R,Z) MULTIGROUP CALCULATION FOR AN INTERMEDIATE SPECTRUM CRITICAL ASSEMBLY

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- 64-01-00 AMUNDSON, P. I. / MC VEAN, R. L. / LONG, J. K. 350 A TWO-ZONE FAST CRITICAL EXPERIMENTS, ZPR-3 ASSEMBLY 42.
64-05-00 GASIDLO, J. M. / LONG, J. K. / KEENEY, W. P. 12 DOPPLER EFFECT MEASUREMENTS, SODIUM VOID COEFFICIENTS, AND CRITICAL STUDIES OF A 5000-LITER FAST POWER BREEDER REACTOR BY THE TWO-ZONE METHOD (ZPR-3 ASSEMBLY 43)

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- 69-07-10 NONE 1371 QUARTERLY STATUS REPORT ON: ULTRA HIGH TEMPERATURE REACTOR EXPERIMENT (UHTREX), FOR PERIOD ENDING APRIL 30, 1969
69-08-00 CARMICHAEL, B. M. / BIGIL, J. C. / MEEM, J. L. 1909 CALCULATION AND INTERPRETATION OF THE UHTREX CRITICAL EXPERIMENTS.

UNDERMODERATED

- 63-09-15 MOSS, L. I. 708 EXPERIMENTS WITH WATER-REFLECTED, UNDERMODERATED, ZIRCONIUM HYDRIDE CRITICAL ASSEMBLIES
64-07-00 MAUNDERS, E. J. 724 MEASUREMENTS OF BUCKLING AND PLUTONIUM-239/URANIUM-235 RELATIVE REACTION RATES IN AN UNDERMODERATED GRAPHITE ASSEMBLY FUELED WITH HIGHLY ENRICHED URANIUM-235 AND PLUTONIUM-239
65-06-00 BOYNTON, A. R. 843 EXPERIMENTAL THERMAL DISADVANTAGE FACTORS IN SOME VERY UNDERMODERATED 3 PERCENT ENRICHED WATER - URANIUM OXIDE LATTICES
65-11-00 LANE, R. C. 72 MEASUREMENTS OF THE CRITICAL PARAMETERS OF UNDERMODERATED URANIUM-HYDROGEN MIXTURES AT INTERMEDIATE ENRICHMENTS
66-06-00 BOYNTON, A. R. / PENNINGTON, E. M. 892 CRITICAL EXPERIMENTS AND CALCULATIONS IN SOME VERY UNDERMODERATED, SLIGHTLY ENRICHED, URANIUM OXIDE/WATER LATTICES
66-08-00 HANSEN, L. E. / CLAYTON, E. D. 804 CRITICALITY OF PLUTONIUM COMPOUNDS IN THE UNDERMODERATED RANGE HYDROGEN - PLUTONIUM LESS THAN 20

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- 53-12-01 MORFITT, J. W. 2051 MINIMUM CRITICAL MASS AND UNIFORM THERMAL NEUTRON CORE FLUX IN AN EXPERIMENTAL REACTOR
63-11-00 ENGELDER, T. C. / CLARK, R. H. / BALDWIN, M. N. / DEROCHÉ, E. J. / FAIRBURN, G. T. / HALLAM, J. W. 628 MEASUREMENTS AND ANALYSIS OF UNIFORM LATTICE OF SLIGHTLY ENRICHED URANIUM DIOXIDE MODERATED BY HEAVY WATER-WATER MIXTURES
65-09-00 STRAWBRIDGE, L. E. / BARRY, R. F. 515 CRITICALITY CALCULATIONS FOR UNIFORM WATER-MODERATED LATTICES
67-10-00 WEBSTER, J. W. 439 CALCULATED NEUTRON MULTIPLICATION FACTORS OF UNIFORM AQUEOUS SOLUTIONS OF URANIUM-233 AND URANIUM-235
70-08-00 FAIRBURN, G. T. / PETTUS, W. G. / SNIDOW, N. L. 1889 PLUTONIUM LATTICE EXPERIMENT IN UNIFORM LATTICE OF URANIUM-DIOXIDE/1.5%-PLUTONIUM-DIOXIDE FUEL

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75-11-00 TOFFER, H. / NIELSEN, L. A.	1583 SUBCRITICAL MEASUREMENTS WITH IRRADIATED AND UNIRRADIATED URANIUM METAL FUEL ELEMENTS

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68-11-00 FINN, H. F. / PIERCE, G. A. / PRUVOST, N. L. / PEFLEY, G. V.	2027 EFFECT OF UNIT CELL SHAPE VARIATION IN A CRITICAL ARRAY OF PLUTONIUM METAL PARTS

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73-06-00 CHALMERS, J. H.	1686 EXPERIMENTAL CRITICALITY IN THE UNITED KINGDOM.

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76-06-00 SCHUSKE, C. L.	1608 HISTORY OF FISSION ARRAY MEASUREMENTS IN THE UNITED STATES AND COMMENTS ON THE CURRENT EXPERIMENTS PROGRAM
76-08-00 SCHUSKE, C. L. / PAXTON, H. C.	1602 HISTORY OF FISSION ARRAY MEASUREMENTS IN THE UNITED STATES

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60-04-00 FISCHER, G. J.	1063 NEUTRON ENERGY SPECTRUM MEASUREMENTS IN UNMODERATED ASSEMBLIES
61-11-00 MIHALCZO, J. T. / KINNEY, W. E.	2004 EXPERIMENTS AND CALCULATIONS ON UNMODERATED URANIUM-MOLYBDENUM ALLOY CRITICAL ASSEMBLIES
62-05-10 MIHALCZO, J. T.	107 REACTIVITY CALIBRATIONS AND FISSION-RATE DISTRIBUTIONS IN AN UNMODERATED, UNREFLECTED URANIUM-MOLYBDENUM ALLOY RESEARCH REACTOR
62-09-00 MIHALCZO, J. T.	1194 PROMPT-NEUTRON DECAY CONSTANTS FOR UNMODERATED URANIUM METAL CRITICAL ASSEMBLIES WITH LARGE GAPS
63-07-00 MIHALCZO, J. T.	1444 SUPERPROMPT-CRITICAL BEHAVIOR OF AN UNMODERATED, UNREFLECTED URANIUM-MOLYBDENUM ALLOY REACTOR
63-08-01 MIHALCZO, J. T.	1198 PROMPT-NEUTRON DECAY PROPERTIES AND CRITICAL DIMENSIONS OF UNMODERATED CYLINDRICAL URANIUM(93.2) METAL ASSEMBLIES WITH LARGE GAPS
71-06-00 BIERMAN, S. R. / CLAYTON, E. D.	1618 CRITICAL EXPERIMENTS WITH UNMODERATED PLUTONIUM OXIDE.

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53-09-00 PETERSON, R. E. / NEWBY, G. A.	39 LADY GODIVA: AN UNREFLECTED URANIUM-235 CRITICAL ASSEMBLY
56-05-00 PETERSON, R. E. / NEWBY, G. A.	4 AN UNREFLECTED URANIUM-235 CRITICAL ASSEMBLY
58-02-20 KLOVERSTROM, F. A. / DECK, R. M. / REYENGA, A. J.	994 CRITICALITY AND PULSED-NEUTRON-SOURCE STUDIES ON AN EPITHERMAL GRAPHITE-URANIUM-235 HOMOGENEOUS UNREFLECTED SYSTEM
58-09-00 GWIN, R. / TRUNBEY, D. K. / WEINBERG, A. M.	377 EXPERIMENTAL AND THEORETICAL STUDIES OF UNREFLECTED AQUEOUS URANIUM-235 CRITICAL ASSEMBLIES
59-03-03 KLOVERSTROM, F. A. / DECK, R. M. / REYENGA, A. J.	117 CRITICAL DIMENSIONS OF UNREFLECTED BERYLLIUM OXIDE SYSTEMS, FUELED BY THIN ORALLOY FOILS
59-06-00 KLOVERSTROM, F. A. / DECK, R. M. / REYENGA, A. J.	2032 CRITICAL DIMENSIONS OF UNREFLECTED BERYLLIUM OXIDE SYSTEMS FUELED BY THIN ENRICHED URANIUM FOILS
62-05-10 MIHALCZO, J. T.	107 REACTIVITY CALIBRATIONS AND FISSION-RATE DISTRIBUTIONS IN AN UNMODERATED, UNREFLECTED URANIUM-MOLYBDENUM ALLOY RESEARCH REACTOR

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63-07-00 MIHALCZO, J. T.	1444 SUPERPROMPT-CRITICAL BEHAVIOR OF AN UNMODERATED, UNREFLECTED URANIUM-MOLYBDENUM ALLOY REACTOR
67-11-00 THOMAS, J. T.	903 CRITICALITY OF URANIUM-233 AQUEOUS NITRATE SOLUTION IN REFLECTED AND UNREFLECTED ARRAYS
68-06-00 HOOGERP, J. C.	2026 UNREFLECTED PLEXIGLASS-GRAPHITE-URANIUM CRITICAL MEASUREMENTS
69-10-00 FIENO, D. / FOX, T. A. / MUELLER, R. A. / FORD, C. H.	2092 ANALYSIS AND EXPERIMENTS WITH A PULSED NEUTRON SOURCE FOR AN UNREFLECTED SOLUTION REACTOR UP TO 50 DOLLARS SHUTDOWN
71-10-00 HOOGERP, J. C. / HANSEN, G. E.	1656 UNREFLECTED URANIUM-235/CARBON (RATIO OF 1 TO 182) CRITICAL ASSEMBLY

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58-10-20 LLOYD, R. C. / SMITH, R. B.	238 CRITICALITY MEASUREMENTS ON HETEROGENEOUS 3.1 PERCENT ENRICHED URANIUM - WATER SYSTEMS
59-01-20 LLOYD, R. C. / SMITH, R. B. / CLAYTON, E. D.	239 CRITICALITY MEASUREMENTS OF HETEROGENEOUS 3.1 PERCENT ENRICHED URANIUM - WATER SYSTEMS
59-10-20 LLOYD, R. C. / CLAYTON, E. D. / SMITH, R. B.	240 CRITICALITY MEASUREMENTS OF HETEROGENEOUS 3.1 PERCENT ENRICHED URANIUM - WATER SYSTEM

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62-01-10 SCHUSKE, C. L. / BELL, C. L. / BINDER, G. H. / SMITH, D. F.	109 INDUSTRIAL CRITICALITY MEASUREMENTS ON ENRICHED URANIUM AND PLUTONIUM

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61-08-00 MC ENHILL, J. J. / WEALE, J. W.	75 INTEGRAL EXPERIMENTS ON FAST SYSTEMS OF PLUTONIUM, URANIUM AND THORIUM

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60-01-20 LLOYD, R. C. / CLAYTON, E. D. / SMITH, R. B. / NEELEY, V. I.	187 CRITICALITY MEASUREMENTS OF HETEROGENEOUS 3.1 PERCENT ENRICHED URANIUM AND WATER SYSTEMS
70-03-00 GRAY, A. W. / JONES, L. L.	652 AN ANALYTICAL STUDY OF THE MINIMUM CRITICAL MASS OF HIGHLY ENRICHED URANIUM-235 WHEN REFLECTED BY NATURAL URANIUM AND WATER MIXTURES IN OPTIMIZED LATTICES

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67-11-06 ERNST, B. B. / TUCK, G.	1164 CRITICAL MASSES OF SPHERICAL AND HEMISPHERICAL STEEL-MODERATED, OIL-REFLECTED ENRICHED URANIUM ASSEMBLIES
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63-04-00 MC VEAN, R. L. / AMUNDSON, P. I. /
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64-08-01 SPECHT, E. R.	721 MATERIAL BUCKLINGS OF CRITICAL AND SUBCRITICAL URANIUM
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64-11-00 HILLIG, O. R. / LATHAM, D. W.	802 MATERIAL BUCKLINGS OF URANIUM CARBIDE FUELED GRAPHITE
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64-12-01 HILLIG, O. R. / LATHAM, D. W.	741 MATERIAL BUCKLINGS OF CRITICAL AND SUBCRITICAL URANIUM
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71-01-00 KARAM, R. A. / MARSHALL, J. E. /
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71-06-00 BIERMAN, S. R. / CLAYTON, E. D.	1626 CRITICAL EXPERIMENTS WITH MIXED OXIDES OF PLUTONIUM AND
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72-06-00 BIERMAN, S. R. / CLAYTON, E. D.	2030 CRITICAL EXPERIMENTS WITH MIXED OXIDES OF PLUTONIUM AND
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58-01-00 BROWN, J. R. / HARRIS, D. R. /
FRANTZ, F. S. / VOLPE, J. J. /
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- 59-04-01 DAVISON, P. W. / BERG, S. S. /
BERGMANN, W. H. / HANLEN, D. F. /
JENNINGS, B. / LEAMER, R. D. /
HOWARD, J. E.
- 59-11-30 DAVISON, P. W. / GROB, V. E. /
HANLEN, D. F. / LEAMER, R. D. /
RITZ, H. / SANTANDREA, E.
- 60-03-30 GROB, V. E. / DAVISON, P. W. /
HANLEN, D. F. / LEAMER, R. D. /
KELLEY, F. L. / CLEARY, J. D.
- 60-06-00 DAVIS, M. V. / THIELE, A. W.
- 61-11-00 SNIDOW, N. L. / CLARK, R. H. /
BARKSDALE, C. E. / LEWIS, R. H. /
ENGELDER, T. C.
- 61-11-00 WITTKOPF, W. A. / ROACH, K. E.
- 63-06-00 BENTON, F. D. / GRAVES, W. E.
- 63-09-00 GREEN, R. E. / BIGHAM, C. B.
- 63-11-00 ENGELDER, T. C. / CLARK, R. H. /
BALDWIN, M. N. / DEROCHE, E. J. /
FAIRBURN, G. T. / HALLAM, J. W.
- 63-11-00 WARZEK, F. G. / JOHNSTON, H. F.
- 63-11-00 PETERSEN, G. T.
- 64-06-00 BENTON, F. D.
- 64-11-00 JOHNSON, E. B. / CRONIN, D. F.
- 64-12-00 JOHNSON, E. B. / CRONIN, D. F.
- 65-06-00 GREEN, R. E. / SERDULA, K. J. /
BIGHAM, C. B.
- 66-02-00 CLARK, H. K.
- 66-07-00 SERDULA, K. J.
- 66-10-15 UOTINEN, V. O. / WILLIAMS, L. D.
- 67-05-23 UOTINEN, V. O. / WILLIAMS, L. D.
- 68-11-00 KARAM, R. A. / MARSHALL, J. E. /
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- 472 YANKEE CRITICAL MEASUREMENTS - MEASUREMENTS ON LATTICES OF
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- 680 TWO REGION CRITICAL EXPERIMENTS WITH WATER MODERATED
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- 681 MULTI-REGION REACTOR LATTICE STUDIES RESULTS OF CRITICAL
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- 849 AN ENRICHED URANIUM DIOXIDE - ZIRCONIUM DIHYDRIDE CRITICAL
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- 1476 CLUMPED LIGHT-WATER-MODERATED URANIUM DIOXIDE SUPERHEAT
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- 845 EXPERIMENTAL LATTICE PARAMETERS FOR 28-ROD CLUSTERS OF
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- 2087 CRITICAL AND SAFE MASSES AND DIMENSIONS OF LATTICES OF
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ORNDOFF, J. D. / PAXTON, H. C. | 84 CRITICAL ASSEMBLIES OF GRAPHITE AND ENRICHED URANIUM WITH
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URANIUM-233

55-00-00 THOMAS, J. T. / FOX, J. K. /
CALLIHAN, A. D.	363 A DIRECT COMPARISON OF SOME NUCLEAR PROPERTIES OF URANIUM-
233 AND URANIUM-235
56-00-00 HINES, K. C.	2101 U.K./CANADA CONFERENCE. NUCLEAR DATA SESSION: FIVE
PLUTONIUM-239, URANIUM-235, URANIUM-233 -- WATER ASSEMBLIES
(ZETR)
56-03-00 THOMAS, J. T. / FOX, J. K. /
CALLIHAN, A. D.	1092 A DIRECT COMPARISON OF SOME NUCLEAR PROPERTIES OF URANIUM-
233 AND URANIUM-235
57-01-09 PLASSMANN, E. A. / WOOD, D. P.	2067 CRITICALITY DATA ON METAL URANIUM-233 SPHERICAL SYSTEMS
59-09-00 FOX, J. K. / GILLEY, L. W. / GWIN,
R. / MAGNUSON, D. W.	163 CRITICAL PARAMETERS OF URANIUM-235 AND URANIUM-233 SOLUTION
IN SIMPLE GEOMETRY
59-09-23 FOX, J. K. / GILLEY, L. W. / ROHRER,
E. R.	111 CRITICAL MASS STUDIES, PART-8 AQUEOUS SOLUTIONS OF URANIUM-
233
60-12-00 PLASSMANN, E. A. / WOOD, D. P.	6 CRITICAL REFLECTOR THICKNESSES FOR SPHERICAL URANIUM-233
AND PLUTONIUM-239 SYSTEMS
64-06-00 PAXTON, H. C. / THOMAS, J. T. /
CALLIHAN, A. D. / JOHNSON, E. B.	50 CRITICAL DIMENSIONS OF SYSTEMS CONTAINING URANIUM-235,
PLUTONIUM-239, AND URANIUM-233
65-00-00 BRUNA, J. G. / BRUNET, J. P. /
CAIZERGUES, R. / CLOUET D'ORVAL, C.
/ KREMSER, J. / TELLIER, H. /
VERRIERE, P.	285 ALECTO - EXPERIMENTAL RESULTS WITH HOMOGENEOUS CRITICAL
SYSTEMS OF PLUTONIUM-239, URANIUM-235, AND URANIUM-233.
65-11-00 BRUNA, J. G. / BRUNET, J. P. /
CAIZERGUES, R. / CLOUET D'ORVAL, C.
/ VERRIERE, P.	781 RESULTS OF HOMOGENEOUS CRITICAL EXPERIMENTS CARRIED OUT
WITH PLUTONIUM-239, URANIUM-235 AND URANIUM-233
65-12-31 PRICE, G. A. / WINDSOR, H.	778 URANIUM-233 DIOXIDE - THORIUM DIOXIDE LATTICE EXPERIMENTS
66-08-25 PRICE, G. A. / WINDSOR, H. /
TUNNEY, W. J. / HELLSTRAND, E.	803 ORGANIC COOLED, HEAVY WATER MODERATED URANIUM-233 FUELED
LATTICE EXPERIMENTS
66-10-00 PRICE, G. A. / WINDSOR, H. /
TUNNEY, W. J. / HELLSTRAND, E.	895 ORGANIC-COOLED HEAVY-WATER MODERATED URANIUM-233 FUELED
LATTICE EXPERIMENTS
66-10-15 LLOYD, R. C. / CLAYTON, E. D.	863 NEUTRON INTERACTION EXPERIMENTS WITH BOTTLES OF URANIUM-233
SOLUTIONS
67-06-00 LLOYD, R. C. / CLAYTON, E. D.	896 INTERACTING ARRAYS OF CONTAINERS WITH URANIUM-233 SOLUTION
67-06-00 SEHGAL, B. R. / WINDSOR, H. / TUNNEY,
W. J.	899 MEASUREMENTS AND ANALYSES OF SOME URANIUM-233 DIOXIDE-
THORIUM DIOXIDE WATER LATTICE EXPERIMENTS
67-06-00 BARDES, R. G. / GILLETTE, E. M. /
NIRSCHL, R. J. / TRAYLOR, R. C.	900 EXPERIMENTAL AND ANALYTICAL DETERMINATION OF THE REACTIVITY
WORTHS OF URANIUM-233, URANIUM-235, URANIUM-236 AND
NEPTUNIUM-237 SAMPLES IN A SERIES OF URANIUM-235-GRAPHITE
CRITICAL ASSEMBLIES

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URANIUM-233 (CONTD.)

67-10-00 WEBSTER, J. W.	439 CALCULATED NEUTRON MULTIPLICATION FACTORS OF UNIFORM AQUEOUS SOLUTIONS OF URANIUM-233 AND URANIUM-235
67-11-00 THOMAS, J. T.	903 CRITICALITY OF URANIUM-233 AQUEOUS NITRATE SOLUTION IN REFLECTED AND UNREFLECTED ARRAYS
67-11-00 WINDSOR, H. / TUNNEY, W. J.	906 REACTOR PHYSICS PARAMETERS OF URANIUM-233 DIOXIDE-THORIUM DIOXIDE LATTICES IN HEAVY WATER
67-12-23 MILANI, S. / WEISS, S. H.	594 SMALL URANIUM-233 FUELED SEED-AND-BLANKET CRITICAL EXPERIMENTS (LWBR-LSBR DEVELOPMENT PROGRAM)
68-00-00 THOMAS, J. T.	1211 CRITICAL EXPERIMENTS WITH AQUEOUS SOLUTIONS OF URANIUM-233(1), OXYGEN(2), (NITROGEN(1)-OXYGEN(3))(2)
68-03-00 LLOYD, R. C. / CLAYTON, E. D. / CHALMERS, J. H.	1250 CRITICALITY OF ARRAYS OF URANIUM-233 SOLUTION
68-09-26 TRAYLOR, R. C.	1304 AN EVALUATION OF URANIUM-233 CROSS SECTIONS WITH NUMERICAL ANALYSIS OF INTEGRAL EXPERIMENTS
70-11-00 WINDSOR, H. / TUNNEY, W. J. / PRICE, G. A.	1961 EXPONENTIAL EXPERIMENTS WITH LATTICES OF URANIUM-233 OXIDE AND THORIUM OXIDE IN LIGHT AND HEAVY WATER
71-07-00 KATO, W. Y. / ARMANI, R. J. / LARSEN, R. P. / MORELAND, P. E. / MOUNTFORD, L. A. / GASIDLO, J. M. / POPEK, R. J. / SWANSON C. D.	1963 AN INTEGRAL MEASUREMENT OF PLUTONIUM-239 AND URANIUM-233 ALPHA
77-10-00 ULLO, J. J. / HARDY, J.	2113 ANALYSIS OF HOMOGENEOUS URANIUM-233 AND URANIUM-235 CRITICAL ASSEMBLIES WITH ENDF/B-IV DATA

URANIUM-235 AND PLUTONIUM-239

64-07-00 MAUNDERS, E. J.	724 MEASUREMENTS OF BUCKLING AND PLUTONIUM-239/URANIUM-235 RELATIVE REACTION RATES IN AN UNDERMODERATED GRAPHITE ASSEMBLY FUELED WITH HIGHLY ENRICHED URANIUM-235 AND PLUTONIUM-239

URANIUM-235 AND URANIUM-233

59-09-00 FOX, J. K. / GILLEY, L. W. / GWIN, R. / MAGNUSON, D. W.	163 CRITICAL PARAMETERS OF URANIUM-235 AND URANIUM-233 SOLUTION IN SIMPLE GEOMETRY

URANIUM-235 AND URANIUM-238

61-08-00 PENDLEBURY, E. D.	436 THE SENSITIVITY OF CALCULATED CRITICAL MASSES OF SMALL FAST SYSTEMS TO CHANGES IN THE URANIUM-235 AND URANIUM-238 NEUTRON-SCATTERING DATA

URANIUM-235 CONTENT

55-10-21 CALLIHAN, A. D. / CRONIN, D. F.	2044 CRITICAL EXPERIMENTS WITH URANIUM OF INTERMEDIATE URANIUM-235 CONTENT

URANIUM-235 CRITICAL ASSEMBLIES

53-09-00 PETERSON, R. E. / NEWBY, G. A.	39 LADY GODIVA: AN UNREFLECTED URANIUM-235 CRITICAL ASSEMBLY
56-05-00 PETERSON, R. E. / NEWBY, G. A.	4 AN UNREFLECTED URANIUM-235 CRITICAL ASSEMBLY
58-09-00 GWIN, R. / TRUMBAY, D. K. / WEINBERG, A. M.	377 EXPERIMENTAL AND THEORETICAL STUDIES OF UNREFLECTED AQUEOUS URANIUM-235 CRITICAL ASSEMBLIES

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URANIUM-235 ENRICHED

55-09-07 THOMAS, J. T.	854 CRITICAL PARAMETERS OF URANIUM-235 ENRICHED SOLUTIONS IN SPHERICAL GEOMETRY
58-08-03 FOX, J. K. / MIHALCZO, J. T. / GILLEY, L. W.	1970 CRITICAL EXPERIMENTS WITH 2.09% URANIUM-235 ENRICHED URANIUM METAL PLATES IN WATER
60-06-00 MIHALCZO, J. T.	847 NEUTRON AGE AND NON-LEAKAGE PROBABILITY FOR A 2 PERCENT URANIUM-235 ENRICHED URANIUM TETRAFLUORIDE - PARAFFIN MIXTURE WITH A HYDROGEN/URANIUM RATIO OF 404
61-09-00 NEELEY, V. I. / BERBERET, J. A. / MASTERSON, R. H.	175 K(INF) OF THREE WEIGHT PERCENT URANIUM-235 ENRICHED URANIUM TRIOXIDE AND URANYL NITRATE HYDROGENOUS SYSTEMS
61-09-01 FOX, J. K.	868 CRITICAL PARAMETERS OF SOLUTIONS OF URANIUM-235 ENRICHED URANYL NITRATE IN CYLINDRICAL CONTAINERS
61-10-00 MIHALCZO, J. T. / LYNN, J. J.	1147 HOMOGENEOUS CRITICAL ASSEMBLIES OF 3 PERCENT URANIUM-235 ENRICHED URANIUM TETRAFLUORIDE IN PARAFFIN
64-11-00 JOHNSON, E. B. / CRONIN, D. F.	808 CRITICAL DIMENSIONS OF AQUEOUS URANIUM DIOXIDE FLUORIDE SOLUTIONS CONTAINING 4.9 PERCENT URANIUM-235 ENRICHED URANIUM
64-12-00 JOHNSON, E. B. / CRONIN, D. F.	738 CRITICAL DIMENSIONS OF AQUEOUS URANIUM DIOXIDE FLUORIDE SOLUTIONS CONTAINING 4.9 PERCENT URANIUM-235 ENRICHED URANIUM
65-10-15 BROWN, C. L. / LLOYD, R. C.	777 MEASUREMENTS OF MATERIAL BUCKLINGS FOR 1.002, 1.25 AND 1.95 PERCENT WEIGHT URANIUM-235 ENRICHED URANIUM TUBE LATTICES IN LIGHT WATER
69-03-00 BROWN, C. L. / HANSEN, L. E.	1143 MATERIAL BUCKLING MEASUREMENTS WITH 2.1 WEIGHT PERCENT URANIUM-235 ENRICHED URANIUM TUBES IN LIGHT WATER
71-05-00 CAIZERGUES, R. / DEILGAT, E. / LECORCHE, P. / MAUBERT, L. / REVOL, H.	1426 CRITICALITY OF LIQUID MIXTURES OF HIGHLY URANIUM-235 ENRICHED HEXAFLUORIDE AND HYDROFLUORIC ACID
71-10-00 JOHNSON, E. B.	1646 NUCLEAR CRITICALITY OF INTERSECTING CYLINDERS OF 5% URANIUM-235 ENRICHED URANYL FLUORIDE AQUEOUS SOLUTION
73-08-00 LECORCHE, P. / MANGIN, D. / MAUBERT, L. / REVOL, H.	1692 CRITICALITY OF 4% URANIUM-235 ENRICHED URANIUM URANYL FLUORIDE SOLUTIONS
77-10-00 BIERMAN, S. R. / CLAYTON, E. D. / DURST, B. M.	2094 CRITICAL SEPARATION BETWEEN SUBCRITICAL CLUSTERS OF 2.35 WT% URANIUM-235 ENRICHED URANIUM DIOXIDE RODS IN WATER WITH FIXED NEUTRON POISONS
77-11-00 BIERMAN, S. R. / CLAYTON, E. D.	1456 CRITICAL SEPARATION BETWEEN SUBCRITICAL CLUSTERS OF 2.35 WT% URANIUM-235 ENRICHED URANIUM DIOXIDE RODS IN WATER WITH FIXED NEUTRON POISONS
77-11-00 DURST, B. M. / BIERMAN, S. R. / CLAYTON, E. D.	1457 BENCHMARK CALCULATIONS FOR SUBCRITICAL CLUSTERS OF 2.35 WT% URANIUM-235 ENRICHED URANIUM DIOXIDE RODS IN WATER WITH FIXED NEUTRON POISONS
78-05-00 BIERMAN, S. R. / DURST, B. M. / CLAYTON, E. D.	2112 CRITICAL SEPARATION BETWEEN SUBCRITICAL CLUSTERS OF 4.29 WT% URANIUM-235 ENRICHED URANIUM DIOXIDE RODS IN WATER WITH FIXED NEUTRON POISONS

URANIUM-235 ENRICHMENT

67-11-00 BIERMAN, S. R. / HESS, G. M.	905 MINIMUM CRITICAL URANIUM-235 ENRICHMENT FOR URANYL NITRATE HYDROGENOUS SYSTEMS
68-00-00 RAFFETY, S. J. / MIHALCZO, J. T.	1209 NEUTRON AGE AND INFINITE-MEDIUM NEUTRON MULTIPLICATION FACTOR FOR URANIUM-TETRAFLUORIDE PARAFFIN MIXTURES WITH LOW URANIUM-235 ENRICHMENT

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URANIUM-235 ENRICHMENT (CONTD.)

68-04-00 BIERMAN, S. R./ HESS, G. M.	580 MINIMUM CRITICAL URANIUM-235 ENRICHMENT OF HOMOGENEOUS, HYDROGENOUS URANYL NITRATE SYSTEMS
68-06-00 BIERMAN, S. R./ HESS, G. M.	42 MINIMUM CRITICAL URANIUM-235 ENRICHMENT OF HOMOGENEOUS HYDROGENOUS URANYL NITRATE

URANIUM-235 FAST

65-06-10 BENZI, V./ CUPINI, E./ DE MATTEIS, A.	1273 A MONTE CARLO ANALYSIS OF SOME ENRICHED URANIUM-235 FAST CRITICAL ASSEMBLIES
66-06-00 PROFIO, A. E./ ANTUNEZ, H. M./ CROSBIE, K. L./ RUSSELL, J. L.	1232 TIME-OF-FLIGHT MEASUREMENT OF THE NEUTRON SPECTRUM FROM A SPHERICAL URANIUM-235 FAST REACTOR

URANIUM-235 GRAPHITE CRITICAL

68-12-00 SEHGAL, B. R.	503 ANALYSIS OF BROOKHAVEN URANIUM-235 GRAPHITE CRITICAL EXPERIMENTS

URANIUM-235 IN AQUEOUS SOLUTIONS

63-03-27 MASTERSON, R. H./ WHITE, J. D./ POWELL, T. J.	172 THE LIMITING CRITICAL CONCENTRATIONS FOR PLUTONIUM-239 AND URANIUM-235 IN AQUEOUS SOLUTIONS

URANIUM-235 IN HYDROGEN

61-09-00 MIHALCZO, J. T./ MILLS, C. B.	168 CRITICALITY OF LOW ENRICHMENT URANIUM-235 IN HYDROGEN

URANIUM-235 ISOTOPE

64-07-00 THOMAS, J. T.	110 CRITICAL THREE-DIMENSIONAL ARRAYS OF NEUTRON-INTERACTING UNITS, PART-2 - URANIUM METAL ENRICHED TO 93.2 PERCENT IN THE URANIUM-235 ISOTOPE

URANIUM-235 RATIOS

68-06-00 MAGNUSON, D. W.	2021 CRITICAL EXPERIMENTS AT HYDROGEN:URANIUM-235 RATIOS FROM 0 TO 5

URANIUM-235 REACTORS

62-11-00 GOODJOHN, A. J./ JOANOU, G. D./ WIKNER, N. F.	1269 ON THE PHYSICS OF SEMI-HOMOGENEOUS GRAPHITE URANIUM-235 REACTORS

URANIUM-235 SOLUTIONS

58-03-04 FOX, J. K./ GILLEY, L. W./ CALLIHAN, A. D.	49 CRITICAL MASS STUDIES, PART-9: AQUEOUS URANIUM-235 SOLUTIONS (CONTINUED)

URANIUM-235 SYSTEMS

57-04-11 CAROTHERS, J. E.	70 CRITICAL MASS MEASUREMENTS ON GRAPHITE URANIUM-235 SYSTEMS

URANIUM-235 WHEN REFLECTED

70-03-00 GRAY, A. W./ JONES, L. L.	652 AN ANALYTICAL STUDY OF THE MINIMUM CRITICAL MASS OF HIGHLY ENRICHED URANIUM-235 WHEN REFLECTED BY NATURAL URANIUM AND WATER MIXTURES IN OPTIMIZED LATTICES

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URANIUM-235

64-02-00 DAVEY, W. G.	455 CALCULATIONS OF K FOR SOME SMALL URANIUM-233-, URANIUM-235-, AND PLUTONIUM-239- FUELED FAST REACTORS
67-01-00 BROWN, C. L. / LLOYD, R. C.	543 MATERIAL BUCKLINGS FOR 1.002, 1.25, AND 1.95 WT% URANIUM-235- ENRICHED URANIUM TUBES IN LIGHT WATER

URANIUM-235-ALUMINUM

71-06-00 CURRIE, R. L. / PARKS, P. B. / JARRIEL, J. L.	1625 REACTIVITY MEASUREMENTS ON LARGE URANIUM-235-ALUMINUM FORMS IN WATER
77-11-00 PELLARIN, D. J. / JARRIEL, J. L.	1454 PULSED REACTIVITY MEASUREMENTS OF LARGE URANIUM-235-ALUMINUM CASTINGS IN WATER
77-11-27 PELLARIN, D. J. / JARRIEL, J. L.	1455 PULSED REACTIVITY MEASUREMENTS OF LARGE URANIUM-235-ALUMINUM CASTINGS IN WATER

URANIUM-235-BISMUTH-GRAPHITE

59-06-00 ENGELDER, T. C. / GIESLER, H. W. / FARRARR, J. P.	2033 REACTIVITY AND FLUX MEASUREMENTS IN HIGHLY REFLECTED URANIUM-235-BISMUTH-GRAPHITE CRITICAL EXPERIMENTS

URANIUM-235-BISMUTH-GRAPHITE CRITICAL

59-06-00 ENGELDER, T. C. / GIESLER, H. W. / FARRARR, J. P.	2033 REACTIVITY AND FLUX MEASUREMENTS IN HIGHLY REFLECTED URANIUM-235-BISMUTH-GRAPHITE CRITICAL EXPERIMENTS

URANIUM-235-CARBON CRITICAL ASSEMBLY

61-06-06 FINKE, R. G.	25 PRELIMINARY RESULTS OF HIGH-TEMPERATURE BARE URANIUM-235-CARBON CRITICAL ASSEMBLY MEASUREMENTS

URANIUM-235-ENRICHED

59-04-22 MIHALCZO, J. T. / LYNN, J. J. / SCOTT, D. / CONNOLLY, W. C.	204 PRELIMINARY REPORT ON 2% URANIUM-235-ENRICHED URANIUM TETRAFLUORIDE/PARAFFIN CRITICAL ASSEMBLIES
60-09-00 MIHALCZO, J. T. / LYNN, J. J.	167 HOMOGENEOUS CRITICAL ASSEMBLIES OF 2% URANIUM-235-ENRICHED URANIUM TETRAFLUORIDE IN PARAFFIN
62-05-00 MIHALCZO, J. T. / NEELEY, V. I.	169 THE INFINITE MULTIPLICATION CONSTANT OF HOMOGENEOUS HYDROGEN-MODERATED 2.0 WEIGHT PERCENT URANIUM-235-ENRICHED URANIUM
62-09-00 FOX, J. K. / THOMAS, J. T.	2096 CRITICAL EXPERIMENTS WITH MIXTURES OF AQUEOUS URANIUM-235-ENRICHED URANYL NITRATE SOLUTIONS AND BOROSILICATE GLASS RINGS
63-08-01 MIHALCZO, J. T.	1448 PROMPT-NEUTRON DECAY CONSTANT VERSUS BUCKLING FOR HYDROGEN-MODERATED 3% URANIUM-235-ENRICHED URANIUM
72-08-00 RAFFETY, S. J. / MIHALCZO, J. T.	1669 HOMOGENEOUS CRITICAL ASSEMBLIES OF 2 AND 3 PERCENT URANIUM-235-ENRICHED URANIUM IN PARAFFIN.

URANIUM-235-ENRICHED URANIUM

59-04-22 MIHALCZO, J. T. / LYNN, J. J. / SCOTT, D. / CONNOLLY, W. C.	204 PRELIMINARY REPORT ON 2% URANIUM-235-ENRICHED URANIUM TETRAFLUORIDE/PARAFFIN CRITICAL ASSEMBLIES
60-09-00 MIHALCZO, J. T. / LYNN, J. J.	167 HOMOGENEOUS CRITICAL ASSEMBLIES OF 2% URANIUM-235-ENRICHED URANIUM TETRAFLUORIDE IN PARAFFIN
62-05-00 MIHALCZO, J. T. / NEELEY, V. I.	169 THE INFINITE MULTIPLICATION CONSTANT OF HOMOGENEOUS HYDROGEN-MODERATED 2.0 WEIGHT PERCENT URANIUM-235-ENRICHED URANIUM

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URANIUM-235-ENRICHED URANIUM (CONTD.)

63-08-01 MIHALCZO, J. T.	1448 PROMPT-NEUTRON DECAY CONSTANT VERSUS BUCKLING FOR HYDROGEN-MODERATED 3% URANIUM-235-ENRICHED URANIUM
66-12-00 HARDY, J. / KLEIN, D. / DANIELS, R.	539 SPATIAL VARIATION OF THE FAST NEUTRON FLUX IN CELLS OF SLIGHTLY URANIUM-235-ENRICHED-URANIUM WATER-MODERATED LATTICES
72-08-00 RAFFETY, S. J. / MIHALCZO, J. T.	1669 HOMOGENEOUS CRITICAL ASSEMBLIES OF 2 AND 3 PERCENT URANIUM-235-ENRICHED URANIUM IN PARAFFIN.

URANIUM-235-ENRICHED-URANIUM WATER-MODERATED

66-12-00 HARDY, J. / KLEIN, D. / DANIELS, R.	539 SPATIAL VARIATION OF THE FAST NEUTRON FLUX IN CELLS OF SLIGHTLY URANIUM-235-ENRICHED-URANIUM WATER-MODERATED LATTICES

URANIUM-235-ENRICHED URANYL NITRATE

62-09-00 FOX, J. K. / THOMAS, J. T.	2096 CRITICAL EXPERIMENTS WITH MIXTURES OF AQUEOUS URANIUM-235-ENRICHED URANYL NITRATE SOLUTIONS AND BOROSILICATE GLASS RINGS

URANIUM-235-ENRICHED URANIUM TETRAFLUORIDE

60-09-00 MIHALCZO, J. T. / LYNN, J. J.	167 HOMOGENEOUS CRITICAL ASSEMBLIES OF 2% URANIUM-235-ENRICHED URANIUM TETRAFLUORIDE IN PARAFFIN

URANIUM-235-ENRICHED-URANIUM WATER-MODERATED LATTICES

66-12-00 HARDY, J. / KLEIN, D. / DANIELS, R.	539 SPATIAL VARIATION OF THE FAST NEUTRON FLUX IN CELLS OF SLIGHTLY URANIUM-235-ENRICHED-URANIUM WATER-MODERATED LATTICES

URANIUM-235-GRAPHITE

67-06-00 BARDES, R. G. / GILLETTE, E. M. /
NIRSCHL, R. J. / TRAYLOR, R. C.	900 EXPERIMENTAL AND ANALYTICAL DETERMINATION OF THE REACTIVITY WORTHS OF URANIUM-233, URANIUM-235, URANIUM-236 AND NEPTUNIUM-237 SAMPLES IN A SERIES OF URANIUM-235-GRAPHITE CRITICAL ASSEMBLIES
67-11-00 SEHGAL, B. R.	829 ANALYSIS OF SOME URANIUM-235-GRAPHITE CRITICAL EXPERIMENTS

URANIUM-235-WATER

56-00-00 HORTON, C. C.	2102 URANIUM-235-WATER ASSEMBLIES FOR LIDO

URANIUM-235/CARBON

71-10-00 HOOGERP, J. C. / HANSEN, G. E.	1656 UNREFLECTED URANIUM-235/CARBON (RATIO OF 1 TO 182) CRITICAL ASSEMBLY

URANIUM-235/GRAPHITE

74-06-00 MC TAGGART, M. H. / GOODFELLOW, H. /
PATERSON, W. J. / WEALE, J. W.	301 INTERIM REPORT ON THE VERA URANIUM-235/GRAPHITE REACTOR EXPERIMENT

URANIUM-236

67-06-00 BARDES, R. G. / GILLETTE, E. M. /
NIRSCHL, R. J. / TRAYLOR, R. C.	900 EXPERIMENTAL AND ANALYTICAL DETERMINATION OF THE REACTIVITY WORTHS OF URANIUM-233, URANIUM-235, URANIUM-236 AND NEPTUNIUM-237 SAMPLES IN A SERIES OF URANIUM-235-GRAPHITE CRITICAL ASSEMBLIES

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URANIUM-238

61-08-00 PENDLEBURY, E. D.	436 THE SENSITIVITY OF CALCULATED CRITICAL MASSES OF SMALL FAST SYSTEMS TO CHANGES IN THE URANIUM-235 AND URANIUM-238 NEUTRON-SCATTERING DATA
66-09-00 JONES, L. L. / ROMESBURG, H. C.	793 CRITICAL DIMENSION OF URANIUM-235 AQUEOUS SOLUTIONS CONTAINING URANIUM-238 OR THORIUM-232
68-11-00 WEBSTER, J. W.	453 O5R MONTE CARLO CALCULATIONS OF LOW-ENRICHED URANIUM THERMAL CRITICAL ASSEMBLIES, AND EVIDENCE OF ERRORS IN URANIUM-238 CROSS SECTIONS

URANIUM-ALUMINUM

54-07-14 FOX, J. K. / MARABLE, J. H.	867 CRITICALITY DATA FOR URANIUM-ALUMINUM SLUG LATTICES IN WATER
62-05-28 FOX, J. K. / GILLEY, L. W.	1978 CRITICAL MASS STUDIES: PART XI, CRITICAL PARAMETERS OF URANIUM-ALUMINUM ALLOY SLUGS
65-07-15 BUSSELMAN, G. J.	774 PHYSICS ANALYSIS OF A URANIUM-ALUMINUM POLYETHYLENE SYSTEM

URANIUM-BERYLLIUM OXIDE

58-09-00 BENOIST, P. / DENIZ, V. / GOURDON, CH. / JOSHI, B. V. / MARTELLY, J. / SAGOT, M. / SAHAI, K. / WANNER, G.	591 CRITICAL AND SUBCRITICAL EXPERIMENTS ON URANIUM-BERYLLIUM OXIDE LATTICES
66-07-19 DUERDEN, P. / MC CULLOCH, D. B. / BRITTLIFF, E.	719 BUCKLING AND INTEGRAL SPECTRUM MEASUREMENTS IN URANIUM-235/BERYLLIUM-OXIDE SUBCRITICAL ASSEMBLIES

URANIUM-DIOXIDE/PLUTONIUM-DIOXIDE

74-06-00 LLOYD, R. C.	1541 CRITICALITY OF URANIUM-DIOXIDE/PLUTONIUM-DIOXIDE SOLIDS IN FISSION SOLUTION

URANIUM-DIOXIDE/PLUTONIUM-DIOXIDE/WATER LATTICES

71-06-00 DEBRUE, J. / LEENDERS, L. / MOTTE, F. / VAN DEN BROECK, H. / DERAMAIX, P. / DE WAECH, F.	1637 A BASIC EXPERIMENTAL REACTOR PHYSICS PROGRAM ON URANIUM-DIOXIDE/PLUTONIUM-DIOXIDE/WATER LATTICES

URANIUM-DIPHENYL

61-06-00 CAMPBELL, R. W. / GUZZLE, T. L. / PASCHALL, R. K.	1480 EXPONENTIAL EXPERIMENTS IN URANIUM-DIPHENYL LATTICES

URANIUM-FUELED VERA REACTOR

66-07-00 MC TAGGART, M. H. / GOODFELLOW, H. / PATERSON, W. J. / WEALE, J. W.	73 INTERIM REPORT ON URANIUM-FUELED VERA REACTOR EXPERIMENTS

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57-11-12 KOECHLIN, J. C. / TANGUY, P. / ZALESKI, C. P.	2082 FRENCH RESULTS ON THE NATURAL URANIUM-GRAPHITE LATTICES
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61-06-00 HURLEY, T. J. / FIKE, H. R. / O'NEILL, G. F.	1492 NATURAL URANIUM-HEAVY-WATER BUCKLINGS OVER AN EXTENDED RANGE OF PITCH AND FUEL ASSEMBLY SIZE

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65-11-00 LANE, R. C.	72 MEASUREMENTS OF THE CRITICAL PARAMETERS OF UNDERMODERATED URANIUM-HYDROGEN MIXTURES AT INTERMEDIATE ENRICHMENTS

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70-03-00 MITAKE, S. / WATARUMI, C. / MIYAWAKI, Y. / TAKEDA, E.	1730 EXPERIMENTAL STUDIES ON 20 PERCENT ENRICHED URANIUM-LIGHT WATER ASSEMBLY. 3. CRITICAL BUCKLING MEASUREMENTS.

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61-11-00 MIHALCZO, J. T. / KINNEY, W. E.	2004 EXPERIMENTS AND CALCULATIONS ON UNMODERATED URANIUM-MOLYBDENUM ALLOY CRITICAL ASSEMBLIES
62-05-10 MIHALCZO, J. T.	107 REACTIVITY CALIBRATIONS AND FISSION-RATE DISTRIBUTIONS IN AN UNMODERATED, UNREFLECTED URANIUM-MOLYBDENUM ALLOY RESEARCH REACTOR
63-07-00 MIHALCZO, J. T.	1444 SUPERPROMPT-CRITICAL BEHAVIOR OF AN UNMODERATED, UNREFLECTED URANIUM-MOLYBDENUM ALLOY REACTOR

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64-00-00 HARPER, R. G.	720 AN ANALYSIS OF EXPERIMENTS ON GRAPHITE MODERATED ASSEMBLIES FUELED WITH URANIUM, PLUTONIUM AND URANIUM-PLUTONIUM METAL

URANIUM-SOLUTION SLAB

69-12-00 ROTHE, R. E. / SCHUSKE, C. L. / HICKS, E. E.	1750 CRITICALITY OF A URANIUM-SOLUTION SLAB UNDER VARIOUS REFLECTOR CONDITIONS.

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63-02-00 AMUNDSON, P. I. / GEMMELL, W. / LONG, J. K. / MC VEAN, R. L.	83 CRITICAL STUDIES OF URANIUM-STEEL AND URANIUM-STEEL-SODIUM FAST REACTOR CORES (ZPR-3 ASSEMBLIES 32 AND 33)

URANIUM-STEEL-SODIUM

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53-04-06 CHERNICK, J.	2034 ANALYSIS OF THE CLEAN BUCKLINGS OF 1.3 PERCENT ENRICHED URANIUM-WATER LATTICES
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66-12-30 PRICE, G. A.	818 URANIUM-WATER LATTICE COMPILATION PART 1. BNL EXPONENTIAL ASSEMBLIES
68-12-00 STAUB, A. / HARRIS, D. R. /
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55-10-11 BAYARD, R. T. / HOVATTER, K. R. /
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61-10-03 THOMAS, A. F.	1445 INTERIM NOTE ON CRITICAL MASS MEASUREMENTS WITH 30% ENRICHED URANIUM/HYDROGEN MIXTURES AT LOW HYDROGEN/URANIUM RATIOS

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56-09-20 CLARKE, W. G. / HORTON, C. C. /
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58-00-00 CUNNINGHAM, J. E. / WALL, G. P. /
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58-10-01 HERMANN, O. W.	476 A GENERALIZED AND CONSISTENT METHOD FOR CALCULATING THE CRITICAL MASS OF HOMOGENEOUS AQUEOUS URANYL FLUORIDE SOLUTIONS
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67-11-00 BIERMAN, S. R. / HESS, G. M.	905 MINIMUM CRITICAL URANIUM-235 ENRICHMENT FOR URANYL NITRATE HYDROGENOUS SYSTEMS
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58-10-20 LLOYD, R. C. / SMITH, R. B.	238 CRITICALITY MEASUREMENTS ON HETEROGENEOUS 3.1 PERCENT ENRICHED URANIUM - WATER SYSTEMS
59-01-20 LLOYD, R. C. / SMITH, R. B. / CLAYTON, E. D.	239 CRITICALITY MEASUREMENTS OF HETEROGENEOUS 3.1 PERCENT ENRICHED URANIUM - WATER SYSTEMS
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60-04-20 LLOYD, R. C.	2013 EXPONENTIAL MEASUREMENTS OF NATURAL URANIUM - WATER SYSTEMS

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60-06-08 LLOYD, R. C.	130 SUMMARY LISTING OF SUBCRITICAL MEASUREMENTS OF HETEROGENEOUS WATER- URANIUM LATTICES MADE AT HANFORD

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63-06-00 BENTON, F. D. / GRAVES, W. E.	2048 MEASUREMENTS OF BUCKLINGS AND VOID EFFECTS IN HEAVY-WATER-MODERATED, ORGANIC- OR WATER-COOLED LATTICES OF URANIUM DIOXIDE ROD CLUSTERS

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63-06-00 WINDSOR, H.	2047 BUCKLINGS AND DISADVANTAGE FACTORS OF SEVERAL WATER-MODERATED, 1.25%-ENRICHED URANIUM METAL SLAB LATTICES
65-02-00 RICHEY, C. R. / LLOYD, R. C. / CLAYTON, E. D.	390 CRITICALITY OF SLIGHTLY ENRICHED URANIUM IN WATER-MODERATED LATTICES
65-09-00 STRAWBRIDGE, L. E. / BARRY, R. F.	515 CRITICALITY CALCULATIONS FOR UNIFORM WATER-MODERATED LATTICES
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67-05-23 UOTINEN, V. O. / WILLIAMS, L. D.	1890 EXPERIMENTS AND CALCULATIONS FOR WATER-MODERATED ASSEMBLIES CONTAINING URANIUM DIOXIDE -- 2 WT% PLUTONIUM DIOXIDE FUEL RODS
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63-09-15 MOSS, L. I.	708 EXPERIMENTS WITH WATER-REFLECTED, UNDERMODERATED, ZIRCONIUM HYDRIDE CRITICAL ASSEMBLIES
68-04-00 WEBSTER, J. W.	579 MINIMUM THICKNESS OF A WATER-REFLECTED INFINITE SLAB OF AN AQUEOUS SOLUTION OF URANYL FLUORIDE AT OPTIMUM CONCENTRATION
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77-11-00 BYERS, C. C. / KOELLING, J. J. / HANSEN, G. E. / SMITH, D. R. / DYER, H. R.	2086 CRITICAL MEASUREMENTS OF A WATER-REFLECTED ENRICHED URANIUM SPHERE

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- 66-02-00 LANE, R. C. / PERKINS, O. J. E. 29 MEASUREMENTS OF THE CRITICAL MASS OF 37.5 PERCENT ENRICHED URANIUM IN REFLECTORS OF WOOD, CONCRETE, POLYETHYLENE AND WATER

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- 76-10-00 BIERMAN, S. R. / DURST, B. M. / CLAYTON, E. D. 1503 CRITICAL EXPERIMENTS MEASURING THE REACTIVITY WORTH OF MATERIALS COMMONLY ENCOUNTERED AS FIXED NEUTRON POISONS

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63-10-00	INGRAM, G. / ABSALOM, R. M. /
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65-00-00	BROOMFIELD, A. M. / ABSALOM, R. M. /
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56-10-22	CRITOPH, E. / OKAZAKI, A. / HONE,
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63-09-06	KUCHLE, M.	1496	PULSED NEUTRON MEASUREMENTS ON A HEAVY WATER REACTOR AT
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54-03-00 MARTENS, F. H.	2072 EXPERIMENTS ON ZERO POWER REACTOR (ZPR-1). PART III
56-11-07 GIESLER, H. W.	2066 RESULTS AND ANALYSIS OF THE APPR-1 ZERO POWER EXPERIMENTS. PART I
57-02-08 NOAKS, J. W. / JOHNSON, W. R.	2064 ARMY PACKAGE POWER REACTOR ZERO POWER EXPERIMENTS (ZPE-1)
61-06-00 ROSENTHAL, H. B.	1498 PM-1 ZERO POWER TEST EXPERIMENTAL STUDIES
66-08-00 FOX, T. A. / MUELLER, R. A. / FORD, C. H.	2091 CRITICAL MASS STUDIES WITH THE NASA ZERO POWER REACTOR II. II- HETEROGENEOUS ARRAYS OF CYLINDRICAL VOIDS
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61-11-00 WOLFE, W. B. / MACK, R. J.	2010 SOME RECENT ZERO-POWER PHYSICS MEASUREMENTS ON THE ORGANIC MODERATED REACTOR EXPERIMENT
70-01-00 ENDLER, A.	1799 CRITICAL EXPERIMENTS AND ZERO-POWER MEASUREMENTS WITH THE CRITICAL FACILITY "RAKE" FOR THE POWER LEVEL INCREASING OF THE RFR REACTOR.

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59-00-00 BAKER, A. R. / SMITH, R. D.	623 ZEUS FINAL REPORT

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64-11-00 HILLIG, O. R. / LATHAM, D. W.	802 MATERIAL BUCKLINGS OF URANIUM CARBIDE FUELED GRAPHITE
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65-08-24 NONE	758 FARET CRITICALS
70-01-00 HESS, A. L. / KEENEY, W. P. / MC
VEAN, R. L.	1866 EXPERIMENTS WITH A SERIES OF SMALL, PLUTONIUM-PLUS-URANIUM-
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46).

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62-09-18 JOHNSON, E. B. / FOX, J. K.	1695 CRITICAL MASS STUDIES. PART XII. ROVER REACTOR FUEL ELEMENTS

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70-01-00 HESS, A. L. / KEENEY, W. P. / MC
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65-12-31	PRICE, G. A. / WINDSOR, H.	778 URANIUM-233 DIOXIDE - THORIUM DIOXIDE LATTICE EXPERIMENTS
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66-06-00 GREEN, R. E. / KAY, R. E. / OKAZAKI, A. / CASINI, G. / METZDORF, H. J. / PAILLON, M.	890 EXPERIMENTAL BUCKLINGS FOR SEVEN-ROD CLUSTERS OF NATURAL URANIUM CARBIDE IN HEAVY WATER MODERATOR
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66-07-00 SERDULA, K. J.	792 LATTICE MEASUREMENTS WITH 28 - ELEMENT NATURAL URANIUM DIOXIDE FUEL ASSEMBLIES PART 1. BUCKLINGS FOR A RANGE OF SPACINGS WITH THREE COOLANTS
66-08-00 HANSEN, L. E. / CLAYTON, E. D.	804 CRITICALITY OF PLUTONIUM COMPOUNDS IN THE UNDERMODERATED RANGE HYDROGEN - PLUTONIUM LESS THAN 20
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67-00-00 DEBRUE, J. / MEWISSEN, L. / MOTTE, F. / BASSELIER, J. / DELRUE, R. / FOSSOUL, E. / HAUBERT, N. / LAMOTTE, H. / STIEVENART, M. / VAN DEYCK, D.	820 RESULTS OF SUBCRITICAL EXPERIMENTS CARRIED OUT ON 5 PERCENT ENRICHED WATER/URANIUM DIOXIDE LATTICES
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THORIUM-233

67-06-00 SEHGAL, B. R. / WINDSOR, H. / TUNNEY,
W. J. | 899 MEASUREMENTS AND ANALYSES OF SOME URANIUM-233 DIOXIDE-
THORIUM DIOXIDE WATER LATTICE EXPERIMENTS |
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THORIUM-DIOXIDE

61-12-00 NONE	701 SPECTRAL SHIFT CONTROL REACTOR BASIC PHYSICS PROGRAM
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66-10-00 PRICE, G. A. / WINDSOR, H. /
TUNNEY, W. J. / HELLSTRAND, E.

895 ORGANIC-COOLED HEAVY-WATER MODERATED URANIUM-233 FUELED
LATTICE EXPERIMENTS

THORIUM-LOADED

62-06-30 BENSON, G. M. / FOX, R. H.

58 ROOM TEMPERATURE CRITICAL MEASUREMENTS ON THORIUM-LOADED,
GRAPHITE-MODERATED, ORALLOY-FUELED SYSTEMS

THORIUM-OXIDE

61-06-00 NONE

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61-12-00 REDMAN, W. C. / KAUFMANN, S. G. /
PLUMLEE, K. E. / BAIRD, G. L.

466 CRITICAL EXPERIMENTS WITH THORIA-URANIA FUEL IN HEAVY WATER

THORIUM-URANIUM

59-11-00 SKEEN, C. H. / BROWN, W. W.

2040 A THORIUM-URANIUM EXPONENTIAL EXPERIMENT

THORIUM-URANIUM-233

65-04-00 MOUNTFORD, L. A. / MOREWITZ, H. A.

427 THE ADVANCED EPITHERMAL THORIUM REACTOR (AETR) CRITICAL
EXPERIMENTS

THORIUM-URANIUM-235

59-11-00 SKEEN, C. H. / BROWN, W. W.

2040 A THORIUM-URANIUM EXPONENTIAL EXPERIMENT

TITANIUM

58-07-16 HANSEN, G. E. / PAXTON, H. C. / WOOD,
D. P.

98 CRITICAL MASSES OF ORALLOY IN THIN REFLECTORS

68-00-00 MIHALCZO, J. T.

1148 PRELIMINARY STATIC EXPERIMENTS WITH THE REPETITIVELY PULSED
CRITICAL ASSEMBLY

TOPSY

50-09-12 PAXTON, H. C.

613 EFFECTS OF FOREIGN MATERIALS IN THE TOPSY METAL ASSEMBLY -
PRELIMINARY

53-06-00 WHITE, R. H.

180 TOPSY, A REMOTELY CONTROLLED MACHINE FOR THE STUDY OF
CRITICAL ASSEMBLIES

54-04-00 LINENBERGER, G. A. / LOWRY, L. L.

227 NEUTRON DETECTOR TRAVERSES IN THE TOPSY AND GODIVA CRITICAL
ASSEMBLIES

55-10-00 PAXTON, H. C.

315 CRITICAL ASSEMBLIES AT LOS ALAMOS, GODIVA, TOPSY, JEZEBEL

56-03-00 WHITE, R. H.

5 TOPSY, A REMOTELY CONTROLLED CRITICAL ASSEMBLY MACHINE

58-09-00 HANSEN, G. E.

324 PROPERTIES OF ELEMENTARY FAST-NEUTRON CRITICAL ASSEMBLIES

64-02-00 DAVEY, W. G.

455 CALCULATIONS OF K FOR SOME SMALL URANIUM-233-, URANIUM-235-,
AND PLUTONIUM-239- FUELED FAST REACTORS

68-04-04 LABAUVE, R. J. / BATTAT, M. E.

795 CRITICALITY AND CENTRAL REACTIVITY CALCULATIONS USING
ENDF/B DATA

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62-03-20 RALSTON, H. R. 1256 THE LIVERMORE COLD-CRITICAL EXPERIMENTS ON TORY II-A AND II-C

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66-08-00 HANSEN, L. E. / CLAYTON, E. D. 804 CRITICALITY OF PLUTONIUM COMPOUNDS IN THE UNDERMODERATED RANGE HYDROGEN - PLUTONIUM LESS THAN 20

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50-09-12 PAXTON, H. C. 613 EFFECTS OF FOREIGN MATERIALS IN THE TOPSY METAL ASSEMBLY - PRELIMINARY

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52-02-01 HANSEN, G. E. / WOOD, D. P. 88 PRECISION CRITICAL-MASS DETERMINATIONS FOR ORALLOY AND PLUTONIUM IN SPHERICAL TUBALLOY TAMPERS

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65-12-00 DOERNER, R. C. / KNAPP, W. G. / ALMENAS, K. K. / COHN, C. E. / KARAM, R. A. / KATO, W. Y. / LOEWENSTEIN, W. B.	1098 EXPERIMENTAL PHYSICS STUDIES IN TUNGSTEN-BASED FAST REACTORS REACTOR PHYSICS DIVISION ANNUAL REPORT
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67-03-00 DOERNER, R. C. / KNAPP, W. G. / KARAM, R. A. / BUTLER, D. K.	120 ZPR-9 ASSEMBLIES NO. 6-9 CRITICAL EXPERIMENTS
70-05-00 ANDERSON, JOHN L. / MAYO, WENDELL	1863 EFFECT OF ADDING LITHIUM NITRIDE, HAFNIUM, TANTALUM, AND TUNGSTEN TO A FAST-SPECTRUM, MOLYBDENUM-REFLECTED CRITICAL ASSEMBLY.
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63-09-15 MOSS, L. I.	708 EXPERIMENTS WITH WATER-REFLECTED, UNDERMODERATED, ZIRCONIUM HYDRIDE CRITICAL ASSEMBLIES
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55-08-00 CALLIHAN, A. D. / MORFIT, J. W. /
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65-00-00 BRUNA, J. G. / BRUNET, J. P. / CAIZERGUES, R. / CLOUET D'ORVAL, C. / KREMSE, J. / TELLIER, H. / VERRIERE, P.	285 ALECTO - EXPERIMENTAL RESULTS WITH HOMOGENEOUS CRITICAL SYSTEMS OF PLUTONIUM-239, URANIUM-235, AND URANIUM-233.
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56-03-00 THOMAS, J. T. / FOX, J. K. / CALLIHAN, A. D.	1092 A DIRECT COMPARISON OF SOME NUCLEAR PROPERTIES OF URANIUM-233 AND URANIUM-235
56-07-30 FOX, J. K. / GILLEY, L. W.	76 PRELIMINARY REPORT OF CRITICAL EXPERIMENTS IN SLAB GEOMETRY
58-00-00 FOX, J. K. / GILLEY, L. W.	368 CRITICAL PARAMETERS OF AQUEOUS SOLUTIONS OF URANIUM-235
58-00-00 FOX, J. K. / GILLEY, L. W.	371 SOME STUDIES OF WATER, STYROFOAM AND PLEXIGLAS REFLECTORS
58-03-04 FOX, J. K. / GILLEY, L. W. / CALLIHAN, A. D.	49 CRITICAL MASS STUDIES, PART-9: AQUEOUS URANIUM-235 SOLUTIONS (CONTINUED)
59-09-00 FOX, J. K. / GILLEY, L. W. / GWIN, R. / MAGNUSON, D. W.	163 CRITICAL PARAMETERS OF URANIUM-235 AND URANIUM-233 SOLUTION IN SIMPLE GEOMETRY
62-05-28 FOX, J. K. / GILLEY, L. W.	1978 CRITICAL MASS STUDIES: PART XI, CRITICAL PARAMETERS OF URANIUM-ALUMINUM ALLOY SLUGS
63-08-01 MAGNUSON, D. W.	1199 DSN TRANSPORT CALCULATIONS OF CRITICAL SPHERES OF URANIUM SOLUTIONS
63-09-15 MOSS, L. I.	708 EXPERIMENTS WITH WATER-REFLECTED, UNDERMODERATED, ZIRCONIUM HYDRIDE CRITICAL ASSEMBLIES
65-10-00 RICHEY, C. R. / WHITE, J. D. / CLAYTON, E. D. / LLOYD, R. C.	416 CRITICALITY OF HOMOGENEOUS PLUTONIUM OXIDE-PLASTIC COMPACTS AT HYDROGEN TO PLUTONIUM RATIO = 15
66-02-00 CLARK, H. K.	2087 CRITICAL AND SAFE MASSES AND DIMENSIONS OF LATTICES OF URANIUM AND URANIUM DIOXIDE RODS IN WATER
66-08-00 HANSEN, L. E. / CLAYTON, E. D.	804 CRITICALITY OF PLUTONIUM COMPOUNDS IN THE UNDERMODERATED RANGE HYDROGEN - PLUTONIUM LESS THAN 20
67-09-00 FOX, J. K.	104 COMPARISON OF ORNL CLEAN CRITICAL EXPERIMENTS WITH CALCULATIONS
68-00-00 THOMAS, J. T.	1211 CRITICAL EXPERIMENTS WITH AQUEOUS SOLUTIONS OF URANIUM-233(1), OXYGEN(2), (NITROGEN(1)-OXYGEN(3))(2)
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68-04-00 WEBSTER, J. W.	579 MINIMUM THICKNESS OF A WATER-REFLECTED INFINITE SLAB OF AN AQUEOUS SOLUTION OF URANYL FLUORIDE AT OPTIMUM CONCENTRATION
68-06-00 GEER, W. U. / SMITH, D. R.	2016 MEASUREMENT OF THE CRITICAL MASS OF A WATER-REFLECTED PLUTONIUM SPHERE
69-04-00 HANSEN, L. E. / CLAYTON, E. D.	1280 CRITICAL PARAMETERS OF PLUTONIUM SYSTEMS. PART-2: INTERPRETATION
69-11-00 SMITH, D. R. / GEER, W. U.	1959 CRITICAL MASS OF A WATER-REFLECTED PLUTONIUM SPHERE

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72-11-00 LLOYD, R. C. / CLAYTON, E. D. /
BIERMAN, S. R.	1671 CRITICALITY OF PLUTONIUM-URANIUM NITRATE SOLUTIONS.
76-06-00 LLOYD, R. C. / CLAYTON, E. D. /	1502 CRITICALITY OF PLUTONIUM-URANIUM NITRATE SOLUTIONS
77-11-00 BYERS, C. C. / KOELLING, J. J. /
HANSEN, G. E. / SMITH, D. R. /
DYER, H. R.	2086 CRITICAL MEASUREMENTS OF A WATER-REFLECTED ENRICHED URANIUM
SPHERE

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45-09-27 GREULING, E.	454 THEORY OF WATER-TAMPED WATER BOILER

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63-10-09 LANE, R. C. / THOMAS, A. F.	1446 MEASUREMENT OF THE CRITICAL MASS OF 37.5% ENRICHED URANIUM
REFLECTED BY WOOD, CONCRETE, OR POLYTHENE
64-06-00 BRUNA, J. G. / BRUNET, J. P. /
CLOUET D'ORVAL, C. / KREMSEY, J.	717 CRITICALITY EXPERIMENT ON A SOLUTION OF PLUTONIUM AND OF
90% ENRICHED URANIUM. EXPERIMENTAL RESULTS AND CALCULATIONS
ON TANK NUMBER 2
65-11-00 LANE, R. C.	72 MEASUREMENTS OF THE CRITICAL PARAMETERS OF UNDERMODERATED
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65-11-00 MC CRELESS, T. G. / SMITH, D. R. /
JARVIS, G. A. / DUFFEY, D.	836 NEUTRONIC ISOLATION CHARACTERISTICS OF CONCRETE, LEAD, WOOD
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65-11-00 WHITE, J. D. / RICHEY, C. R.	837 NEUTRON INTERACTION BETWEEN MULTIPLYING MEDIA SEPARATED BY
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66-02-00 LANE, R. C. / PERKINS, O. J. E.	29 MEASUREMENTS OF THE CRITICAL MASS OF 37.5 PERCENT ENRICHED
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63-10-09 LANE, R. C. / THOMAS, A. F.	1446 MEASUREMENT OF THE CRITICAL MASS OF 37.5% ENRICHED URANIUM
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65-00-00 BROOMFIELD, A. M. / ABSALOM, R. M. /
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/ STEVENSON, J. M.	744 THE SECOND CORE OF ZEBRA
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65-11-00 LANE, R. C.	72 MEASUREMENTS OF THE CRITICAL PARAMETERS OF UNDERMODERATED
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66-05-00 WHEELER, R. C. / ABSALOM, R. M. /
BAKER, A. R. / BROOMFIELD, A. M. /
FURNEAUX, D. / INGRAM, G. / JOWITT,
D. / PATTENDEN, S. K. / PATTERSON,
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J. M.	790 ZEBRA CORE 5: STUDIES OF A MIXED CRITICAL CORE WITH A
CENTRAL DILUTE PLUTONIUM REGION

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66-10-10 ADAMSON, J. / ABSALOM, R. M. / BAKER, A. R. / INGRAM, G. / PATTENDEN, S. K. / STEVENSON, J. M.	922 ZEBRA 6: A DILUTE PLUTONIUM-FUELED ASSEMBLY
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66-10-10 WEALE, J. W. / BENJAMIN, P. W. / PATERSON, W. J.	946 A COMPARISON OF MEASURED AND CALCULATED ENERGY SPECTRA IN TWO VERA CORES
71-08-00 PAIK, N. C. / PITTERLE, T. A. / DURSTON, C.	1822 INTEGRAL TESTING OF MODIFICATIONS TO ENDF/B VERSION II DATA.

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63-09-00 GREEN, R. E. / BIGHAM, C. B.	633 URANIUM DIOXIDE LATTICE - PARAMETER MEASUREMENTS IN ZED2
65-10-00 SERDULA, K. J. / GREEN, R. E.	782 LATTICE MEASUREMENTS WITH 19-ELEMENT NATURAL URANIUM METAL ASSEMBLIES. PART 1 - BUCKLINGS FOR A RANGE OF SPACINGS WITH HEAVY WATER AND HELIUM COOLANTS
66-06-00 GREEN, R. E. / KAY, R. E. / OKAZAKI, A. / CASINI, G. / METZDORF, H. J. / PAILLON, M.	890 EXPERIMENTAL BUCKLINGS FOR SEVEN-ROD CLUSTERS OF NATURAL URANIUM CARBIDE IN HEAVY WATER MODERATOR
66-07-00 SERDULA, K. J.	792 LATTICE MEASUREMENTS WITH 28 - ELEMENT NATURAL URANIUM DIOXIDE FUEL ASSEMBLIES PART 1. BUCKLINGS FOR A RANGE OF SPACINGS WITH THREE COOLANTS
68-06-00 TANNER, C. J. / ANDREWS, D. G.	44 BUCKLING MEASUREMENTS IN A HEAVY WATER SUPERLATTICE

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63-09-00 GREEN, R. E. / BIGHAM, C. B.	633 URANIUM DIOXIDE LATTICE - PARAMETER MEASUREMENTS IN ZED2

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56-10-22 CRITOPH, E. / OKAZAKI, A. / HONE, D. W. / TUNNICLIFFE, P. R. / DE MILLE, G. R. / HANNA, G. C.	2103 MULTIPLE METAL ROD ASSEMBLIES IN ZEEP
57-09-27 OKAZAKI, A. / HONE, D. W.	2104 LATTICE EXPERIMENTS FOR CLUSTERS OF NINETEEN 1.31 CM. DIAMETER URANIUM METAL RODS IN HEAVY WATER
59-01-00 OKAZAKI, A. / ALLEN, D. F. / HONE, D. W.	2100 LATTICE EXPERIMENTS FOR CLUSTERS OF NINETEEN 1.31 CM DIAMETER URANIUM METAL RODS IN HEAVY WATER
61-11-00 WINGFIELD, E. C. / HENNELLY, E. J.	2000 COMPARISON OF EXPONENTIAL AND CRITICAL BUCKLINGS FOR NATURAL URANIUM RODS IN HEAVY WATER

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63-04-00 SANDERS, J. E.	686 EXPERIMENTS IN ZENITH

ZEPHYR

58-07-00 INGRAM, G. / SANDERS, J. E.	617 THE BEHAVIOUR OF ZEPHYR WITH A GRAPHITE ENVELOPE

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61-06-00 HOOGERP, J. C. / ORNDOFF, J. D.	1488 CRITICAL MEASUREMENTS FOR THE KIWI-A NUCLEAR PROPULSION TEST REACTOR

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56-00-00 HINES, K. C.	2101 U.K./CANADA CONFERENCE. NUCLEAR DATA SESSION: FIVE
PLUTONIUM-239, URANIUM-235, URANIUM-233 -- WATER ASSEMBLIES
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59-00-00 BAKER, A. R. / SMITH, R. D.	623 ZEUS FINAL REPORT

ZINC

58-07-16 HANSEN, G. E. / PAXTON, H. C. / WOOD, D. P.	98 CRITICAL MASSES OF ORALLOY IN THIN REFLECTORS
60-12-00 HANSEN, G. E. / WOOD, D. P. / GEER, W. U.	7 CRITICAL MASSES OF ENRICHED-URANIUM CYLINDERS WITH MULTIPLE
REFLECTORS OF MEDIUM-Z ELEMENTS

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69-11-00 SHER, R.	1421 INTEGRAL MEASUREMENTS OF FAST-NEUTRON SPECTRA IN SOME
URANIUM- AND PLUTONIUM-FUELED FAST REACTOR CORES |
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67-06-00 SEHGAL, B. R. / WINDSOR, H. / TUNNEY, W. J.	899 MEASUREMENTS AND ANALYSES OF SOME URANIUM-233 DIOXIDE-
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63-09-00 COELHOORN, J. / ACKERS, J. G. /
BUSTRAAN, M. / TAS, A. / ZIJP, W.
L. / NUYSKEN, M. / NIJS, W. W. /
HEYBOER, R. J. / LUIDINGA, F.	1994 THE CRITICAL FACILITY KRITO
65-06-00 GREEN, R. E. / SERDULA, K. J. /
BIGHAM, C. B.	845 EXPERIMENTAL LATTICE PARAMETERS FOR 28-ROD CLUSTERS OF
NATURAL URANIUM DIOXIDE IN HEAVY WATER
66-06-00 LIIKALA, R. C. / STINSON, W. P.	891 EXPERIMENTAL AND ANALYTICAL RESULTS FOR PLUTONIUM DIOXIDE-
URANIUM DIOXIDE-WATER LATTICES

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60-04-20 NEELEY, V. I. / LLOYD, R. C. /
CLAYTON, E. D.	2012 NEUTRON MULTIPLICATION MEASUREMENTS WITH PLUTONIUM-ALUMINUM
ALLOY RODS IN LIGHT WATER
60-06-00 NEELEY, V. I. / CLAYTON, E. D. /
LLOYD, R. C.	236 NEUTRON MULTIPLICATION MEASUREMENTS WITH PLUTONIUM-ALUMINUM
ALLOY RODS IN LIGHT WATER
61-06-00 BAUMANN, N. P. / HENNELLY, E. J.	1481 BUCKLING MEASUREMENTS OF HEAVY-WATER MODERATED CLUSTERS OF
NATURAL URANIUM OXIDE RODS
64-11-00 LIIKALA, R. C. / STINSON, W. P. /
WORDEN, J. R.	798 CRITICAL MASSES AND BUCKLINGS OF PLUTONIUM DIOXIDE-URANIUM
DIOXIDE-WATER SYSTEMS
65-06-00 GREEN, R. E. / SERDULA, K. J. /
BIGHAM, C. B.	845 EXPERIMENTAL LATTICE PARAMETERS FOR 28-ROD CLUSTERS OF
NATURAL URANIUM DIOXIDE IN HEAVY WATER
66-10-00 PRICE, G. A. / WINDSOR, H. /
TUNNEY, W. J. / HELLSTRAND, E.	895 ORGANIC-COOLED HEAVY-WATER MODERATED URANIUM-233 FUELED
LATTICE EXPERIMENTS
67-04-15 UOTINEN, V. O. / WILLIAMS, L. D.	826 CRITICAL EXPERIMENTS IN PLUTONIUM DIOXIDE-URANIUM DIOXIDE-
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67-05-23 UOTINEN, V. O. / WILLIAMS, L. D.	1890 EXPERIMENTS AND CALCULATIONS FOR WATER-MODERATED ASSEMBLIES
CONTAINING URANIUM DIOXIDE -- 2 WT% PLUTONIUM DIOXIDE FUEL
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67-11-00 WINDSOR, H. / TUNNEY, W. J.

906 REACTOR PHYSICS PARAMETERS OF URANIUM-233 DIOXIDE-THORIUM DIOXIDE LATTICES IN HEAVY WATER

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77-10-00 BIERMAN, S. R. / CLAYTON, E. D. /
DURST, B. M.

2094 CRITICAL SEPARATION BETWEEN SUBCRITICAL CLUSTERS OF 2.35 WT% URANIUM-235 ENRICHED URANIUM DIOXIDE RODS IN WATER WITH FIXED NEUTRON POISONS

78-05-00 BIERMAN, S. R. / DURST, B. M. /
CLAYTON, E. D.

2112 CRITICAL SEPARATION BETWEEN SUBCRITICAL CLUSTERS OF 4.29 WT% URANIUM-235 ENRICHED URANIUM DIOXIDE RODS IN WATER WITH FIXED NEUTRON POISONS

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65-12-31 PRICE, G. A. / WINDSOR, H.

778 URANIUM-233 DIOXIDE - THORIUM DIOXIDE LATTICE EXPERIMENTS

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53-11-18 CALLIHAN, A. D. / SCOTT, D.

2073 PRELIMINARY CRITICAL ASSEMBLY FOR THE MOLTEN FLUORIDE REACTOR EXPERIMENT

54-11-22 SPENCER, R. M.

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57-04-00 MC FARLAND, C. E. / VOORHIS, A. D.

2074 EXPERIMENTAL AND THEORETICAL STUDY OF CRITICAL SLABS. EFFECT OF DIFFERENT REFLECTOR ARRANGEMENTS AND COMPOSITIONS

60-06-00 DAVIS, M. V. / THIELE, A. W.

849 AN ENRICHED URANIUM DIOXIDE - ZIRCONIUM DIHYDRIDE CRITICAL ASSEMBLY

61-06-00 MOSS, L. I. / PODEWELTZ, C. M. /
RANDALL, R. L. / SHAPIRO, J. L. /
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1484 ANALYTICAL AND EXPERIMENTAL RESULTS FOR A COMPACT, ZIRCONIUM HYDRIDE MODERATED CRITICAL ASSEMBLY

63-09-00 BACH, D. R. / BISTLINE, J. A. /
BUNCH, S. I. / CERBONE, R. J. /
FEINER, F. / SKOLNIK W. /
WEINSTEIN, S.

1995 COMPARISON OF KNOLLS ATOMIC POWER LABORATORY CLEAN CRITICAL AND SUBCRITICAL EXPERIMENTS WITH CALCULATIONS

63-09-15 MOSS, L. I.

708 EXPERIMENTS WITH WATER-REFLECTED, UNDERMODERATED, ZIRCONIUM HYDRIDE CRITICAL ASSEMBLIES

64-09-00 PONOMAREV-STEPNOI, N. N. / SMIRNOV,
O. N. / KULEVA, R. V.

693 INVESTIGATION ON SYSTEM WITH ZIRCONIUM HYDRIDE MODERATOR

ZIRCONIUM-HYDRIDE

64-09-00 PONOMAREV-STEPNOI, N. N. / SMIRNOV,
O. N. / KULEVA, R. V.

693 INVESTIGATION ON SYSTEM WITH ZIRCONIUM HYDRIDE MODERATOR

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65-08-24 NONE

758 FARET CRITICALS

ZIRCONIUM-WATER

57-04-00 MC FARLAND, C. E. / VOORHIS, A. D.

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60-04-20 NEELEY, V. I. / LLOYD, R. C. /
CLAYTON, E. D.

2012 NEUTRON MULTIPLICATION MEASUREMENTS WITH PLUTONIUM-ALUMINUM ALLOY RODS IN LIGHT WATER

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57-02-08 NOAKS, J. W. / JOHNSON, W. R.

2064 ARMY PACKAGE POWER REACTOR ZERO POWER EXPERIMENTS (ZPE-1)

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69-11-00 MATLOCK, R. G. / KAISER, R. E. /
CASIDLO, J. M.

1768 REACTIVITY EFFECTS IN CRITICAL FACILITIES DUE TO FISSILE
ISOTOPE DECAY.

70-06-00 PALMER, R. G. / PLUMMER, J. P. /
NICHOLSON, R. B.

1913 TESTING OF HETEROGENEITY METHODS USED IN FAST REACTOR
CRITICAL ANALYSES BY COMPARISON WITH THEORETICAL (GEDANKEN)
EXPERIMENTS.

70-11-00 KAISER, R. E. / NORRIS, R. J. / PAIK,
N. C.

1741 MATERIAL WORTH MEASUREMENTS IN THE BENCHMARK CRITICAL
ASSEMBLY ON ZPPR.

70-11-00 KAISER, R. E. / NORRIS, R. J. /
OLSON, A. P. / PAIK, N. C.

1739 PREDICTED CHARACTERISTICS WITH ACTUAL OBSERVATION FOR THE
DEMONSTRATION REACTOR BENCHMARK ASSEMBLY ZPPR-2.

71-06-00 LESAGE, L. G. / BOHN, E. M. /
MARSHALL, J. E. / KARAM, R. A. /
TILL, C. E. / LEWIS, R. A. /
SALVADORES, M.

1628 INITIAL EXPERIMENTAL RESULTS FROM ZPR-6 ASSEMBLY 7, THE
SINGLE-ZONE DEMONSTRATION REACTOR BENCHMARK ASSEMBLY.

71-06-00 KAISER, R. E. / AMUNDSON, P. I. /
FORRESTER, R. J. / NEWMARK, B.

1630 MEASUREMENT AND ANALYSIS OF SPACE-DEPENDENT PARAMETERS IN A
DEMONSTRATION PLANT BENCHMARK CRITICAL.

71-06-00 LEWIS, R. A. / LESAGE, L. G. /
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1629 LMFBR DEMONSTRATION REACTOR BENCHMARK CRITICAL EXPERIMENTS
PROGRAM -- INITIAL PLATE-ROD HETEROGENEITY MEASUREMENTS.

74-04-00 STEWART, S. L. / HARTMAN, A. K. /
CRICK, S. C.

1704 EVALUATION AND ANALYSIS OF ZPPR ASSEMBLY 3 CRITICAL
EXPERIMENTS

76-12-00 MC FARLANE, H. F. / BECK, C. L.

1942 HIGH- PLUTONIUM-240 SECTOR EXPERIMENTS IN ZPPR ASSEMBLY 4

ZPPR-2

70-11-00 KAISER, R. E. / NORRIS, R. J. /
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1739 PREDICTED CHARACTERISTICS WITH ACTUAL OBSERVATION FOR THE
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71-08-00 PAIK, N. C. / PITTERLE, T. A. /
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1822 INTEGRAL TESTING OF MODIFICATIONS TO ENDF/B VERSION II DATA.

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74-04-00 STEWART, S. L. / HARTMAN, A. K. /
CRICK, S. C.

1704 EVALUATION AND ANALYSIS OF ZPPR ASSEMBLY 3 CRITICAL
EXPERIMENTS

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68-11-01 PRESKITT, C. A. / D'OULTREMONT, P. /
NEILL, J. M. / YOUNG, J. C.

1091 (FAST REACTOR SPECTRUM MEASUREMENTS QUARTERLY PROGRESS
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71-06-00 LEWIS, R. A. / LESAGE, L. G. /
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BOHN, E. M. / SALVADORES, M. /
STANFORD, G. S.

1629 LMFBR DEMONSTRATION REACTOR BENCHMARK CRITICAL EXPERIMENTS
PROGRAM -- INITIAL PLATE-ROD HETEROGENEITY MEASUREMENTS.

71-10-00 ZOLOTAR, B. A. / SALVADORES, M. /
BINGMAN, B. M. / LEWIS, E. E.

1648 COMPARATIVE STUDY OF HETEROGENEITY TREATMENTS FOR ZPR PLATE
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54-03-00 MARTENS, F. H.	2072 EXPERIMENTS ON ZERO POWER REACTOR (ZPR-1). PART III
71-09-00 FOX, T. A. / MUELLER, R. A. /
FIENO, D.	1991 CRITICALITY STUDY OF NASA SOLUTION REACTORS WITH 25.4
CENTIMETER- DIAMETER CYLINDRICAL STAINLESS-STEEL TANKS

ZPR-2

66-08-00 FOX, T. A. / MUELLER, R. A. / FORD,
C. H.	2091 CRITICAL MASS STUDIES WITH THE NASA ZERO POWER REACTOR II.
II- HETEROGENEOUS ARRAYS OF CYLINDRICAL VOIDS
70-08-00 FOX, T. A. / MUELLER, R. A. /
FIENO, D.	2090 PULSED-NEUTRON-SOURCE STUDIES WITH THE NASA ZERO POWER
REACTOR II
71-09-00 FOX, T. A. / MUELLER, R. A. /
FIENO, D.	1991 CRITICALITY STUDY OF NASA SOLUTION REACTORS WITH 25.4
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ZPR-3

56-05-00 CERUTTI, B. C. / LICHTENBERGER, H.
V. / OKRENT, D. / RICE, R. E. /
THALGOTT, F. W.	267 ZPR-3, ARGONNE'S FAST CRITICAL FACILITY
58-09-00 LONG, J. K. / LOEWENSTEIN, W. G. /
GRANYAN, C. E. / GRUNSON, G. S. /
KIRN, F. S. / OKRENT, D. / RICE, R.
E. / THALGOTT, F. W.	354 FAST NEUTRON POWER REACTOR STUDIES WITH THE ZPR-3
60-11-00 MENEGHETTI, D. / LOOMIS, M. F.	1097 CALCULATION OF HETEROGENEITY EFFECTS IN ZPR-3 FAST
ASSEMBLIES USING THE DSN PROGRAMS
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