

Todor Zhivkov, Bulgarian Delegation Make
Friendship Visit, 18 pp.
MCNA, Pyongyang, 1007 GMT, 28 Oct 73.
JPRS 60515

Nov 73

Cuban Delegate's U. N. Speech on Korean Question.
6 pp
KCNA, Pyongyang, 1533 GMT, 23 Nov 1973.
JPRS 60689

Romanian Delegate Speaks at U.N. Session on
Korean Question, 7 pp.
KCNA, Pyongyang, 1004 GMT, 29 Nov 73.
JPRS 60857

.Tan 74.

Kim Il-Song Speech at DPRK National Agri-
cultural Congress, 18 pp.
KOMA, Pyongyang, 0425 GMT, 16 Jan 74.
JPRS 61135

Mar 74

DPHK Paper on Japan's 'Economic Infiltration'
in Southeast Asia, Tanaka Trip, 7 pp.
KCNA, Pyongyang, 1015 GMT, 18 Jan 74.
JPRS 61135

Mar 74

Summary of Yi Kun-Mo's Report at 23 February
Pyongyang Rally, 9 pp.
YOMA, Pyongyang. 0816 GMT, 24 Feb 74.
JPBS 61486

Apr 74

Yon Hyong-Mok Sneaks at DPRK National Industrial Congress, 13 pp.
YONA, Pyongyang, 0420 GMT, 26 Feb 74.
JPRS 61486

Ann 74

Revolutionary Ideas of Kim Il-Song Scored.

12 pp

KCNA, Pyongyang, 1007 GMT, 28 May 1974.

JPRS 62183

DDRT Marks 30th Anniversary of Bulgaria and
Its Army, 7 pp.
KCHA, Pyongyang, 1553 GMT, 6 Sep 74.
JPRS 63214

Nov 74

DPRK Leaders Receive Greetings on 26th National
Day, 17 pm.

KCHA, Pyongyang, 11, 13, 14 Sep 74.

JPRS 63165

Nov 74

Nim Il-Song Answers Questions From Senegalese
Journalists, 11 pp.

YONA, Pyongyang, 0330 GMT, 16 Sep 74.

JPRS 63165

'Rodong Sinmun' Welcomes Mauritanian President,
8 pp.
KCMA, Pyongyang, 1011 GMT, 21 Sep 74.
JPRS 63211

Nov 74

Kim Il-Song Addresses Home-Visiting Groups
From Japan, 26 pp.
HCNA, Pyongyang, 1007 GMT, 27 Sep 74.
JPRS 63177

Nov 74

Agency: U.S.A.F. Aerospace Research Labs. 9129/2738
MIPR: FY 89947500066. Call Ltr. FY 75-08. # 3 14 Jan 75

Title: On the iteration for solving the least square method and the least square method in some region.

Author: Tatsuo Noda. J U

Source: KEIEI KAGAKU, 14, 225-232. 1971. N/A
ff

Special Instructions: Translate and type one copy.
JAPANESE - ENGLISH.

Agency: U.S.A.F. Aerospace Research Labs.

MIPR: FY 89947500066 . Call ltr. FY 75-08. #2

4129/3737
14 Jan. 75

Title: Statistical methods for Monte Carlo simulation.

Author: Kei Takeuchi.

Source: Keiei-Kagaku, ^{vol. #2,} (17, 75-87, 1973. ^{March})

Special Instructions: Translate and type one copy
JAPANESE - ENGLISH.

Inoue, T.

*Studies on pitting corrosion of aluminum using macro-
and micro-autoradiography.*

KEIKINZOKU, Vol 23, No 2, 1973, pp 78-86

NTC 73-14736-11F

TAMURA, H.
//KEISOKU JIDOSEIGYO GAKKAI RONBUNSHU//
--/--/1972, V0008, N0004,
Modes of Control in Manual Control Systems,
pp 414-421, NTC 74-10777-C5H@@

Tusek, I.

Surface Tension of Photographic Emulsions,
Pt.2,.

REM. IND. (Zagreb), Vol.13, No.8, pp.617-21,
1954.

A.T.S CR-4698

Hedvig, P.

Determination of molecular mobility in polymers
through dielectric and mechanical relaxation
spectroscopy

RENTAL KOSIENIEWICZ, T. 35, 1971, pp. 400-432

JORN-Trans-10077

HTC 73-10003-071

Hangos, I.

Thermodynamics of the gas volume of
incandescent lamps filled with halogen
gas.

KEMIAI KOZLEMENYEK, 1972, pp 459-486, v. 37.
NTC 73-12356-07D.

Report on the Work of the Academy Department
of Chemical Sciences. 22 pp.
KEMIAI KOMMUNIKACIÓK, Budapest, No 3-4, 1973,
pp 225-239.
JPRS 61549

Apr 74

Status and Perspectives of Organic Chemistry
Research, 20 pp.

KEMIAI KOMLEMENYEK, Budapest, No 3-4, 1973,
pp 149-161.

JPRS 61549

Apr 74

Lacan, M.

Theoretical foundations of the chemistry of
lignin: condensation and inactivation of lignin.
Part 1.

KEMIJA U INDUSTRIJI, n. 11, p. 933-950, 1965. Figs.,
tables, formulae, ref. omitted. CSIRO-Trans-11189.
NTC 73-11113-07A

Lacan, M.

Condensation and inactivation of lignin of the European Chestnut-tree (castanea Sativa): Oxidative destruction of the condensed lignin raw material. Part 2. A contribution to the knowledge of the chemistry of lignin: Condensation and inactivation of lignin.

KEMIJA U INDUSTRIJI, No 8, 1966, pp 475-495

CSIRO-Trans 11385

NTC 73-13912-07A

Musicki, D.

Modification of the Technological Procedure for
the Production of Trinitrotoluene 6 pp

KEMIJA U INDUSTRIJI, No 5, 1969, pp 301-303

DISTRIBUTION LIMITED TO U.S. GOVT AGENCIES

FSTC-HT-23-79-73

Pribanic, M.

Homogeneous catalysis using coordination complexes.

KEMIJA U INDUSTRIJI, 1971, pp 151-156,
n. 4.

NTC 73-12345-07A.

UNKNOWN
//KEMIJA U INDUSTRIJI//
--/--/1972,V0021,N0010,
Dry Process Coloring of Thermoplastic Materials,
PP 523-530,NTC 74-10230-11100

Jankovic, V.

Yugoslav Chemical Industry Production in 1972.
13 pp

KEMIJA U INDUSTRIJI, Zagreb, No 5, May 1973,
pp 241-246.
JPRS 60745

B. KOHLER

Development Trends in the District Heating Field.
KEMISK TIDSKRIFT, Vol 83, No 7/8, pp 38-42, 1971.
NTC 73-10209-13A

Mar 73

DETECT, 1.
//REMARKS//
---/---/1973, 10025, 10000,
Ultrafiltration and Reverse Osmosis Applications
and Research,
in 196- , REC 74-11351-0742

JAPANESE

Conf Special
11/16/73

CSO: 8389/1262/73
27 Dec 1972

Examination and Knowledge of Measuring Equipment.

KENCHI SONJUEI KIMAI, 1970, pp 1-99.

May 73

REQ TR CHECK

17-10-73

T734

THE CHAIR TESTER

KASHEVNIK, M.; LOSOTO, O

UR: KENINSKOYE ZNAMYA, NO. 179, 2 AUG 1973,

p.2

Proven in case

AT 74 - 23 - 0734

OGATA, T.

//KENRITSU GAN SENTA NICATA BHOIN SIHI//
--/--/1972,V0012,N0003, pp 194

Experience in the treatment of 300 cases
of malignatn antineoplastic agents
through the bronchial arteries

NTC 75-10238-06E

#

Terahisa Okaji

The D 50 P - 15 Damp Ground
Bulldozer Hydraulic Crane

6 pp

KENSETSU NO KIKAIKA, No 4, 1969, pp 86-87

FSTC-HT-23-814-70

DISTRIBUTION LIMITED TO US GOVT AGENCIES

Kazuo Tsubouchi
Human Engineering and Operating Machines
KENSETSU NO KIKAIKA
FSTC-HT-23-6832-70

WEBER, E.
//KERAMISCHE ZEITSCHRIFT//
--/--/1966, V0021, N----,
Problems Associated with Wet Dust Cleaning of Gases.
NY 100-100, INC 74-10000-07400

Schuller, K. H.

TiO₂ as mineraliser in porcelain.

KERAMISCHE ZEITSCHRIFT, Vol 23, No 1, 1971, pp 38-42

NTC 73-13225-11B

H. SCHMIDT

A New Process for Metal/Ceramic Bonding.
KERAMISCHE ZEITSCHRIFT, Vol 23, pp 278-280, 1971.
NTC 73-10225-11B

Mar 73

Ries, H. B.

Manufacture of ferrites with special reference
to the preparation.

KERAMISCHE ZEITSCHRIFT, v. 23, n. 9, p. 516-520;
533-534 and 591-597, 1971.

NTC 73-11106-11B

Fleischmann, W.

Refractory mixes

KERAMISCHE ZEITSCHRIFT, Vol 24, No 3 pp 138-141, 1972

C.E. Trans 6170

may 73

Development and Tech'l-Econ'l Investigation of the
Concrete Slab Track, by Kutasy Lajos.
KERESZTELMEZES FELEPITMENY KIFEJLESZTESE ES MUSAAKI-
GAZDASAGI VIZSGALATA, 1969, pp 31-55.
*USDOT/FRA

Available at NTIS TT 73-55092

Apr 73

15-Apr-74

Uncl (RFP-Trans--150) Thermodynamics of the
distribution equilibrium in the extraction of uranyl
nitrate. ROZEN, A.M. Translated from Kernenergie; 1:
No. 3, 195-206(1958). 20p. Dep. NTIS \$3.00.

07 chemistry (analytical); 07B chemistry (inorganic);
translations
MW-4 P NSA

ROMMEL, H.

//KERNENERGIE//

--/--/1962, V0005, N----,

*Boron determination by activation analysis
according to the nuclear reaction $B^{11}(p, n)C^{11}$
pp 859-860, NTC 74-11638-07E##*

2-Jan-74
Uncl (NRC-TT--1699) Determining the economic size of
a pressurizer for a pressurized water reactor.
FRATZSCHER, W.; BOCK, J. Translated by D.A. Sinclair
from Kernenergie; 9: No. 9, 285-289(1966). 15p. Dep.
NTIS (U.S. Sales Only) \$3.00.

18I reactor economics; 18I reactor engineering;
translations
MN-78 NP NSA

IAEA GUARANTEES TO NUCLEAR POWER PLANTS EQUIP
PED WITH PRESSURIZED WATER REACTOR

SKVORTSOV S A

LANGUAGE-GE

COUNTRY-UN

Completed

6/71

KERNENERGIE VOL 14 ISSUE 12 1971 PP 375-377

FSIC-HI-23-1529-75

19-Jul-73
Uncl (DRNL-tr--2658) Shielding of gamma radiation by
very heavy concrete with density of more than 4 g/cm³.
SPRENGER, H.; KRUEGER, F.W. Translated by R.G.
Mansfield (Oak Ridge National Lab.) from Kernenergie; 15:
No. 7, 232-233(1972). 6p. Dep. NTIS \$3.00.

11 materials; 18F radiation shielding and protection;
translations
MN-34 P NSA

17-Jul-74

Uncl (BNWL-tr--124) Control of contaminations in
sodium loops. ULLMANN, H. Translated by B. G. Russell
from Kernenergie; 17: No. 1, 5-10(1974). 17p. Dep.
NTIS \$4.00.

07 chemistry (analytical); 181 reactor cooling;
translations
MN-79a P NSA

Ifflaender, G.

Radiation Protection Laws and Regulations
Described, 12 pp.

KEPNEREGIE, West Berlin, Aug 74, pp 248-253.

JPRS 63262

Dec 74

19-Sep-73
Uncl (AEC-tr--7438) Investigations on the
reprocessing of graphite--carbide fuel for high
temperature reactors. BILDSTEIN, H.; KNOTIK, K.
Translated by Rebecca Greer (New Brunswick Lab., NJ) from
Kerntechnik; 9: No. 3, 110-115(1966). 14p. Dep. NTIS
\$4.00.

07A chemistry(separation); 19J reactor fuels;
translations
STD-10 P NSA

JAUER, H.

//KERNFORSCHUNGSANLAGE JUELICH//

--/--/----,V----,N----

Study on the Further Treatment of Spent Fuel Elements
from Thorium High-Temperature Reactors with
Spherical Fuel Elements 44 pp

Report JUL-943-CT AEC/RFP/TRANS-158-74 @@

1-Mar-74
Uncl (GERHTR--61) Irradiation induced changes of
thermal expansion (C.T.E.) of nuclear graphite. DELLE,
W. (KERNFORSCHUNGSANLAGE JUELICH G.M.B.H. (F.R.
GERMANY)). 1971. 8p. Dep. NTIS \$3.00.
Work performed under United States--German High
Temperature Reactor Research Exchange Program.

radiation effects; 18J reactor fuels
STD-77 P NSA

revision

T. Bohn

Applied magnetohydrodynamics, report no. 10,
MHD-test facility argas 2: Description and
operations. 94 pp.

KERNFORSCHUNGSANLAGE JULICH GES. MIT BESCHRANKTER
HAFTUNG, Report No. Jul-883-TP, Aug. 1972, pp 87.
NASA TT F 14876

11-Jan-74
Uncl (ORNL-tr--2733) Stationary and dynamic
deposition of silicon carbide on coated fuel particles.
GYARMATI, E.; NICKEL, H. (KERNFORSCHUNGSANLAGE JUELICH
G.M.B.H. (F.R. GERMANY)). Nov 1972. Translated by R.
Gregg Mansfield from JUL--900-RW. 57p. Dep. NTIS
\$5.00.

11F metallurgy; 18J reactor fuels; translations
MN-25 P NSA

Bosnali, M. W.

*Kinetic investigation on pulse radiolytically produced
CH, CH₃, C₂, and CN₂ radicals by absorption
spectroscopy in the gas phase.*

KERNFORSCHUNGSANLAGE, JULICH REPORT JUL-897-PC

Nov 1972, 107 pp

C. E. trans 6340

13-Mar-74
Uncl (GERHTR--63) Limits of burnup-dose loading of
pyrocarbon-coated particles. ROTTERDAM, R.
(HOCHTEMPERATUR-REAKTORBAU G.M.B.H., MANNHEIM (F.R.
GERMANY); KERNFORSCHUNGSANLAGE JUELICH G.M.B.H. (F.R.
GERMANY)). 1973. 8p. Dep. NTIS \$3.00.

Work Performed under United States--German High
Temperature Reactor Research Exchange Program.

18J reactor fuels; 18L reactors-power
STD-77 P NSA

1-Mar-74

Uncl (GERHTR--60) AKUT: a process for separating aerosols, krypton, and tritium from the combustion waste gases in the reprocessing of high temperature fuel elements. LASER, M.; BEAUJEAN, H.; VYGEN, H. (KERNFORSCHUNGSANLAGE JUELICH G.M.B.H. (F.R. GERMANY)). 1973. 6p. Dep. NTIS \$3.00.

Work performed under United States--German High Temperature Reactor Research Exchange Program.

07A chemistry (separation); 18J reactor fuels
STD-77 P NSA

revision

18-Dec-73
Unci (ORNL-tr--2730) Structural phase transitions in
the NbH system. PICK, M.A. (KERNFORSCHUNGSANLAGE
JUELICH G.M.B.H. (F.R. GERMANY). INST. FUER
FESTKOEKPERFORSCHUNG). May 1973. Translation by R.G.
Mansfield of JUL--951-FF. 67p. Dep. NTIS \$5.50.

11F metallurgy; translations
MN-25 P NSA

Leistikow, S.

Effect of cold working on corrosion resistance of austenitic Cr Ni steels in superheated steam - Part 1

KERNFORSCHUNGSZENTRUM KARLSRUHE KFK 1476, June 1971

C. E. Trans 6225

Uncl (ORNL-tr--2719) 26-Nov-73
coating of nuclear fuel particles. HAANGE, R.;
GYARMATI, E.; NICKEL, H. (KERNFORSCHUNGSANLAGE JUELICH
G.M.B.H. (F.R. GERMANY)). May 1973. Translated from
JUL--946-BW. 88p. Dep. NTIS \$6.50.
Thesis. Submitted to Technische Hochschule, Aachen
(West Germany).

11F metallurgy; 18J reactor fuels; translations
MN-25 P NSA

25-Jun-74

Unc1 (GERNIP--58) Reprocessing of thorium-bearing nuclear fuels. Annual report, July 1, 1971--June 30, 1972. (KERNFORSCHUNGSANLAGE JUELICH G.M.B.H. (F.R. GERMANY). INST. FÜR CHEMISCHE TECHNOLOGIE). Aug 1972. 128p. Dep. NTIS \$8.50.

Work performed under United States--German High Temperature Reactor Research Exchange Program.

C7 chemistry (analytical); C7E chemistry (radio and radiation); C7A chemistry (separation); 18G fission products; 11F metallurgy; progress reports; 18G radioactive wastes; 18J reactor fuels
STP-77 P NSA

27-Feb-74
Uncl (GERHTR--59) Development of a method and
experimental installation for prefabricating HTGR fuels.
ZIMMER, E.; NAEFE, P.; RINGEL, H. (~~KERNFORSCHUNGSANLAGE~~
~~WELICH G.M.B.H. (F.R. GERMANY)~~ INST. FUER CHEMISCHE
TECHNOLOGIE). 1973. 6p. Dep. NTIS \$3.00.
Work Performed under United States--German High
Temperature Reactor Research Exchange Program.

14 methods and equipment; 18J reactor fuels
STD-77 P NSA

18-Mar-74

Uncl (GERHTR--66) Component development for dissolution, feed solution adjustment, and extraction in JUPITER. BODEWIG, F.G.; JOHANNISBAUER, W.; KAISER, G.; SCHURR, P. (KERNFORSCHUNGSANLAGE JUELICH G.M.B.H. (F.R. GERMANY). INST. FUER CHEMISCHE TECHNOLOGIE). [nd]. 7p. (CONF-730468--1). Dep. NTIS \$3.00.

From Reactor session; Karlsruhe, F.R. Germany (10 Apr 1973).

Work performed under United States--German High Temperature Reactor Research Exchange Program.

07A chemical engineering; 11F metallurgy; 18J reactor materials

STD-77 P NSA

30-Nov-73
Uncl (LA-tr--73-51) Fundamentals of cyclic
thermochemical processes. BARNERT, H.
(KERNFORSCHUNGSANLAGE JUELICH G.M.B.H. (F.R. GERMANY).
INST. FUER REAKTORENTWICKLUNG). Jun 1973. Translation
of JUL--967-RG. 75p. Dep. NTIS \$5.75.

07A chemical engineering; translations
MN-4 P NSA

1-Mar-74

Uncl (GERHTR--79) Studies on the production of
spherical fuel particles by a sol-gel process.
POERTSMANN, A.; VADUMIDIS, A.; NICKEL, H.
(KERNFORSCHUNGSANLAGE JUELICH G.M.B.H. (F.R. GERMANY).
INST. FUER REAKTORWERKSTOFFE). Mar 1969. 50p. Dep.
NTIS \$4.50.

Work performed under United States--German High
Temperature Reactor Research Exchange Program.

C7A chemical engineering; 11F metallurgy; 18J reactor
fuels

NTI-77 P NSA

revision

1-Mar-74

Uncl (GERNTA--70) Model investigations of conical
fluidized beds for the coating of nuclear fuel particles.
WALLROTH, C.F.; GYAPMATH, E.; NICKEL, H.
(KERNFORSCHUNGSANLAGE JUELICH G.M.B.H. (F.R. GERMANY).
INST. FUER REAKTORWERKSTOFFE). 1971. 23p. Dep. NTIS
\$3.25.

Work performed under United States--German High
Temperature Reactor Research Exchange Program.

HF metallurgy; HF reactor fuels
STD-77 P MSA

revision

Uncl (GERHTR--51) 13-Mar-74
Determination of uranium
concentration profiles in the pyrocarbon of coated nuclear
fuel particles. WALLURA, E.; ROTTMANN, J.; NICKEL, H.;
GYARMATI, E.; VAN SINAY, R. (KERNFORSCHUNGSANLAGE
JUELICH G.M.B.H. (F.R. GERMANY). INST. FUER
REAKTORWERKSTOFFE). Jun 1971. 37p. (JUL--772-RW).
Dep. NTIS \$4.00.

Work Performed under United States--German High
Temperature Reactor Research Exchange Program.

J7 chemistry (analytical); 11F metallurgy; 18J reactor
fuels

SIP-77 P NCA

27-Feb-74

Uncl (GERHTR--45) Structure of propene-pyrocarbon
coating layers on coated nuclear fuel particles and their
modification by annealing. GYARMATI, E.; KOIZLIK, K.;
GUPTA, A.K. (KERNEFORSCHUNGSANLAGE JUELICH G.M.B.H.
(F.R. GERMANY). INST. FUER REAKTORWERKSTOFFE). Sep
1971. 30p. (JUL--795-RW). Dep. NTIS \$3.50.

Work performed under United States--German High
Temperature Reactor Research Exchange Program.

18J reactor fuels; 18J reactor materials; 18L reactors-
power
STD-77 P NSA

1-Mar-74
Uncl (GERHTR--73) Mass spectrometric analysis of gas
composition during the formation of pyrolytic carbon from
methane. LUHLEICH, H.; SUETTERLIN, L.; PFLAUM, P.;
NICKEL, H. (KERNFORSCHUNGSANLAGE JUELICH G.M.B.H. (F.R.
GERMANY). INST. FUER REAKTORWERKSTOFFE). 1972. 20p.
Dep. NTIS \$3.00.

Work performed under United States--German High
Temperature Reactor Research Exchange Program.

Q7 chemistry (analytical); 18J reactor materials
STD-77 P NSA

revision

Z-100-74

Uncl (GERHTR--47) Investigations to decrease the release of solid fission products from coated fuel particles by the addition of refractory oxides to the fuel kernel. FOERTHMANN, R.; HAMESCH, M.; NICKEL, H. (KERNFORSCHUNGSANLAGE JUELICH G.M.B.H. (F.R. GERMANY). INST. FUER REAKTORWERKSTOFFE). May 1972. 42p. (JUL--846-RW). Dep. NTIS \$4.25.

Work performed under United States--German High Temperature Reactor Research Exchange Program.

18G fission products; 18J reactor fuels; 18I reactor safety; 18L reactors-power
STD-77 P NSA

13-Mar-74
Uncl (GERHTR--48) Variation in the anisotropy of the
crystallographic orientation in pyrocarbon coatings of
fuel particles as a result of annealing and neutron
irradiation. KOIZLIK, K. (KERNFORSCHUNGSANLAGE
JUELICH G.M.B.H. (F.R. GERMANY). INST. FUER
REAKTORWERKSTOFFE). Jun 1972. 138p. (JUL--868-RW).
Dep. NTIS \$7.50.

Work Performed under United States--German High
Temperature Reactor Research Exchange Program.

radiation effects; 18J reactor fuels; 18J reactor
materials

MN-77 P NSA

13-Mar-74

Uncl (GERHTR--68) Irradiation-induced change in the orientation anisotropy in pyrocarbon coatings of fuel-oxide particles. KOIZLIK, K.; KOSS, P. (KERNFORSCHUNGSANLAGE JUELICH G.M.B.H. (F.R. GERMANY). INST. FUER REAKTORWERKSTOFFE; OESTERREICHISCHE STUDIENGESellschaft FUER ATOMENERGIE G.M.B.H.; VIENNA). 1 Jan 1973. 8p. Dep. NTIS \$3.00.

Work Performed under United States--German High Temperature Reactor Research Exchange Program.

radiation effects; 18J reactor fuels
STD-77 P NSA

13-Mar-74
Uncl (GERHTR--50) Contribution to the identification
of pyrolysis byproducts in fluidized bed soot and in
pyrocarbon. WOLFRJM, E.; ROTTMANN, J.; BUEKER, I.;
NICKEL, H. (KERNEFORSCHUNGSANLAGE JUELICH G.M.B.H. (F.R.
GERMANY). INST. FUER REAKTORWERKSTOFFE). Jan 1973.
70p. Dep. NTIS \$5.50.

Work Performed under United States--German High
Temperature Reactor Research Exchange Program.

11F metallurgy; 18J reactor fuels
STD-77 P NSA

Uncl (GERHTR--69) Change in orientation anisotropy
and microporosity in pyrolytic carbon. KOIZLIK, K.;
KRAUTWASSER, P.; NICKEL, H. (KERNFORSCHUNGSANLAGE
JUELICH G.M.B.H. (F.R. GERMANY). INST. FUER
REAKTORWERKSTOFFE). Mar 1973. 7p. Dep. NTIS \$3.00.
Work performed under United States--German High
Temperature Reactor Research Exchange Program.

18J reactor fuels; 18J reactor materials
STD-77 p NSA

revision

15-Jul-74

Uncl (RFP-Trans--158) Study on the further treatment of spent fuel elements from thorium high-temperature reactors with spherical fuel elements. JAUER, H.; LASER, M.; MERZ, E.; STORCH, S.; TILLESSEN, U. (KERNFORSCHUNGSANLAGE JUELICH G.M.B.H. (F.R. GERMANY)). Apr 1973. Translation of JUL--943-CT. 44p. Dep. NTIS \$8.25.

UZA chemistry (separation); translations
NW-12 P NSA

18-Apr-74
Uncl (EURFNR--1115) Fast Breeder Project. Second
quarterly report, April 1--June 30, 1973.
(KERNFORSCHUNGSZENTRUM KARLSRUHE (F.R. GERMANY)). 1973.
303p. (KFK--1273/2). Dep. NTIS \$17.25.
Work Performed under United States--Euratom Fast
Reactor Exchange Program.

progress reports; 18I reactor engineering; 18J reactor
fuels; 18J reactor materials; 18I reactor safety; 18k
reactor physics; 18L reactors-power
STD-79 P NSA

7-Mar-74

Uncl (EURFNR--1126) Analysis of hypothetical accidents for SNR-300. HEUSENER, G.; KESSLER, G.; LAUBER, H. (KERNFORSCHUNGSZENTRUM KARLSRUHE (F.R. GERMANY)). Mar 1973. 142p. (KFK--1834). Dep. NTIS (U.S. Sales Only) \$9.25.

Work performed under United States--Euratom Fast Reactor Exchange Program.

18I reactor engineering; 18I reactor safety; 18L reactors-power

STD-79p NP NSA

18-Dec-73

Uncl (EURFNR--1099) Burnup determination on nuclear fuel samples from the FR-2 reactor. HÖFFMANN, H.; WERTENBACH, H. (KERNFORSCHUNGSZENTRUM KARLSRUHE (F.R. GERMANY)). Apr 1973. 91p. (KFK--1704). Dep. NTIS \$6.75.

Work performed under United States--Euratom Fast Reactor Exchange Program.

18J reactor fuels; 18K reactor physics
STD-79d P NSA

21-Mar-74
Uncl (BNWL-tr--109) Analysis of void volume
distribution in oxide fuel pins with high pin power.
HOFFMAN, H. (KERNFORSCHUNGSZENTRUM KARLSRUHE (F.R.
GERMANY)). 13 Aug 1973. Translation of KFK--1863.
121b. Dep. NTIS \$8.25.

11F metallurgy; radiation effects; 18J reactor fuels;
translations
MN-25 P USA

25-Jun-74
Uncl (EURFNR--1134) Fast Breeder Project. Third
quarterly report, 1973. HUEPER, R.
(KERNFORSCHUNGSZENTRUM KARLSRUHE (F.R. GERMANY)). Dec
1973. 193p. (EUR--4971). Dep. NTIS \$12.75.
Work performed under United States--Euratom Fast
Reactor Exchange Program.

11F corrosion; 11F metallurgy; progress reports;
radiation effects; 18I reactor cooling; 18J reactor
fuels; 18I reactor safety; 18K reactor physics
STD-77b P NSA

1-Jul-74

Uncl (BNWL-tr--117) Experimental investigations into coolant cross-mixing and pressure drop in multi-rod bundles with helical-type spacers. Influence of the results on the design of fuel elements for sodium-cooled fast breeder reactors. HOFFMANN, H. (KERNFORSCHUNGSZENTRUM KARLSRUHE (F.R. GERMANY)). Dec 1973. Translation of KFK--1843. 116p. Dep. NTIS \$9.00.

18I reactor cooling; 18I reactor engineering; 18L reactors-power; translations
MN-79c P NSA

Uncl (5NWJ-tr--114) 26-Jun-74
J.: DILLMANN, H.G.; GERLACH, K.; SCHUTTELOPP, H. WILHELM,
(KERNFORSCHUNGSZENTRUM KARLSRUHE (F.R. GERMANY)). 4 May
1974. Translation of excerpt from AFK--1565. 26p.
Dep. VTIS \$4.50.

✓6R health and safety; 180 instrumentation; 11 materials;
radiation effects; 161 reactor safety; translations
6N-11 P VSA

25-Jun-74

Uncl (BNWL-tr--115) Filter program. WILHELM, J.G.;
DILLMANN, H.G.; FURRER, J.; GERLACH, K.
(KERNFORSCHUNGSZENTRUM KARLSRUHE (F.R. GERMANY)). 9 May
1974. Translation of excerpt from KFK--1818. 34p.
Dep. NTIS \$4.75.

J7 chemistry (analytical); J7A chemistry (separation);
J6R health and safety; 18I reactor engineering; 18I
reactor safety; translations
BN-41 P NSA

Ondracek, G.

On the quantitative description of the stereometric
structure of composites and other multiphase systems

46 pp

RENFORSCHUNGSZENTRUM KARISSRUHE. EXTERNER BERICHT
6/73-2. INSTITUT FÜR MATERIAL-UND FESTKÖRPERFORSCHUNG.
14-18 November 1971. Newsletter '73 in stereology,
vol 6, 1973, pp. 40-83
AIR/FPD-RC-83-295-74

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Copyright Information: Other request for this document
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are suspected to be subject to copyright restrictions.

Huber, F.

Study Concerning the Fire Suppression in Liquid
Sodium 10 pp

KERNFORSCHUNGSZENTRUM-KARLSRUHE NACHRICHTEN,
Vol v, No 3, Mar. 1972, pp 9-13

AEC-Tr-7501-74

Uncl (EURFNR--1100) 6-Dec-73
fission cross-section for neutrons with energy values
between 500 and 1200 keV. KAEPELER, F.
(KERNFORSCHUNGSZENTRUM KARLSRUHE (F.R. GERMANY). INST.
FUER ANGEWANDTE KERNPHYSIK). Apr 1973. 99p. Dep.
NTIS \$7.00.

Work performed under United States--Euratom Fast
Reactor Exchange Program.

18K reactor physics
STD-79d P NSA

10-Jan-74
Uncl (EURFNR--1118) New definition of reliability,
continuous lifetime prediction, and learning processes.
CALDAROLA, L. (KERNFORSCHUNGSZENTRUM KARLSRUHE (F.R.
GERMANY). INST. FÜR ANGEWANDTE SYSTEMTECHNIK UND
REAKTORPHYSIK). Jul 1973. 65p. (KFK--1947; EUR--
4959; CONF-730714--2). Dep. VIIS (U.S. Sales Only)
\$5.25.

Work performed under United States--Euratom fast
reactor exchange program.

ISI reactor engineering
STO-79 NP NSA

21-Jun-74
Unc1 (EURCNR--1117) Aerosol behavior in closed
containers (PARADISEK 2). KELLER, K.
(KERNFORSCHUNGSZENTRUM KARLSRUHE (F.R. GERMANY). INST.
FÜR ANGEWANDTE SYSTEMTECHNIK UND REAKTORPHYSIK). Aug
1973. 14p. (KFK--1754). Dep. NTIS \$3.00.
Work Performed under United States--Euratom Fast
Reactor Exchange Program.

OnB computers; 181 reactor safety
STD-290 P NCA

28-Mar-74

Uncl (EURFNR--1143) Adjustment of group cross sections for fast reactor calculations using integral data from critical assemblies. FISCHER, E.A. (KERNFORSCHUNGSZENTRUM KARLSRUHE (F.R. GERMANY). INST. FÜR ANGEWANDTE SYSTEMTECHNIK UND REAKTORPHYSIK). Oct 1973. 40p. (KFK--1878). Dep. NTIS (U.S. Sales Only) \$4.00.

Work performed under United States-Euratom Fast Reactor Exchange Program.

18K reactor physics; 18L reactors-power
DTIC-79a NP USA

17-Apr-74

Uncl (EURFNR--1150) KAPER: lattice program for
heterogeneous critical facilities (user's guide).
MCGRATH, P.E. (KERNFORSCHUNGSZENTRUM KARLSRUHE (F.R.
GERMANY). INST. FUER ANGEWANDTE SYSTEMTECHNIK UND
REAKTORPHYSIK). Dec 1973. 73p. (KFK--1893). Dep.
NTIS (U.S. Sales Only) \$5.75.

Worked performed under United States--Euratom Fast
Reactor Exchange Program.

69B computers; 18K reactor physics
STD-79d NP NSA

23-Aug-73

Uncl (ANL-Trans--944) Ponderomotive stability of rf
resonators and resonator control systems. SCHULZE, D.
(KERNFORSCHUNGSZENTRUM, KARLSRUHE (WEST GERMANY)).
INSTITUT FUER EXPERIMENTELLE KERNPHYSIK). Nov 1972.
Translation of KFK--1493. 181p. Dep. NTIS \$11.25.

20G particle accelerators; translations
MN-28 P USA

revision

PIOSCZYK, B.
//KERNFORSCHUNGSZENTRUM KARLSRUHE. INSTITUT FUR
EXPERIMENTELLE KERNPHYSIK//
--/--/1973,V----,N----,
RF Losses in Superconducting Helix Resonators
Caused by Frozen-In Magnetic Field, 27 pp
Rpt #IEKP 11/111, Interner Bericht 73-3-LIN,
AEC/ANL-TRANS-956-7400

16-Jul-73

Uncl (KFK-tr--428) Production of accelerator fields
by precession of the magnetic moments in ferrites.

RAKITYANSKII, A.A.; SHENDEROVICH, A.M.

(KERNFORSCHUNGSZENTRUM, KARLSRUHE (WEST GERMANY)).

INSTITUT FUER EXPERIMENTELLE KERNPHYSIK). Feb 1973.

7p. (In German). (CONF-720952--6). Dep. NTIS (U.S.
Sales Only) \$3.00.

From Symposium on collective methods of acceleration;
Dubna, USSR (27 Sep 1972).

20G particle accelerators; translations

MN-28 NP NSA

3C-Jul-74

Uncl (ANL-Trans--95E) Mechanical excitation of
superconducting helix resonators by external sources with
slowly varying frequency. SCHULZE, D.; HORNUNG, A.
(KERNFORSCHUNGSZENTRUM KARLSRUHE (F.R. GERMANY). INST.
FÜR EXPERIMENTELLE KERNPHYSIK). Mar 1974.
Translation by A.H. Jaffey of KFK-Ext.--3/74-3. 27p.
Dep. NTIS \$4.50.

20G particle accelerators; translations
MN-28 P NSA

SCIULZE, D.
//KERNFORSCHUNGSZENTRUM KARLSRUHE, INSTITUT FUR
EXPERIMENTALLE KERNPHYSIK//
--/02/1974,V----,N----,
Mechanical Excitation of Superconducting Helix
Resonators by External Sources with Slowly Varying
Frequency, 24 pp
Report KFK-Ext-Report 3/74-3, AEC/ANL/TRANS-955-7400

Uncl (KFK-tr--427) 30-Jan-74 Outlook for the development of new
collective acceleration methods. RABINOVICH, M.S.;
TSYTOVICH, V.N. (KERNFORSCHUNGSZENTRUM KARLSRUHE (F.R.
GERMANY). INST. FUER EXPERIMENTELLE REAKTORPHYSIK). Feb
1973. Translation of pp 92-99 from symposium on
collective methods of acceleration. (CONF-720952--5).
10p. (In German). Dep. NTIS (U.S. Sales Only) \$3.00.
From Symposium on collective methods of acceleration;
Dubna, USSR (27 Sep 1972).

20G particle accelerators; translations
MN-28 NP NSA