

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.
KCHA, Pyongyang, 1004 TMT, 29 Nov 73.
JPRS 60857

Jan 74.

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

Mar 74

DPR 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 Sun-Mo's Report at 23 February
Pyongyang Rally, 9 pm.
YCHA, Pyongyang, 0816 GMT, 24 Feb 74.
JPBS 61486

Apr 74

Yon Hyong-Muk Speaks at DPRK National In-
dustrial Congress, 13 pp.
KCNA, Pyongyang, 0420 GMT, 26 Feb 74.
JPRS 61483

Apr 74

Revolutionary Ideas of Kim Il.-Song Scored.

12 pp

KCNA, Pyongyang, 1007 GMT, 28 May 1974.

JPRS 62183

DPRK Marks 30th Anniversary of Bulgaria and
Its Army, 7 pp.
KONA, Pyongyang, 2553 GMT, 6 Sep 74.
ZPRS 63214

NOV 74

DRK Leaders Receive greetings on 26th National
Day, 27 pp.
KCYA, Pyongyang, 11, 13, 14 Sep 74.
JPRS 63165

Nov 74

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

KCNA, PYONGYANG, 0310 GMT, 16 Sep 74.

JPRS 63105

16 Sep 74

'Nodong Simun' Welcomes Mauritanian President,
3 pp.
HCVA, Pyongyang, 1011 GMT, 21 Sep 74.
JPRS 63214

Nov 74

Kim Il-Son; Addresses Home-Visiting Groups
From Japan, 26 pp.
HCNA, Pyongyang, 1007 GMT, 27 Sep 74.
JPRS 62177

NOV 74

Agency: U.S.A.F. Aerospace Research Labs. 9129/2732

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. 14

Source: KEIEI KAGAKU, (14), 225-232. 1971. *Mitsuo*

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

9/29/2737
14 Aug. 75

Title: Statistical methods for Monte Carlo simulation.

Author: Kei Takeuchi.

Source: Keiei-Kaishi, 7, 75-87, 1973. 44724

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

Inoue, T.

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

KEIKINZOKU, Vol 25, No 2, 1973, pp 78-86

NTC 73-14736-11F

TANURA, H.
//REIISOKU JIDOSEIGYO GAKKAI RONBUNSHU//
--/--/1978, V0008, N0004,
Modes of Control in Manual Control Systems,
pp 411-421, NTC 74-10777-05H9@

Tusek, I.

Surface Tension of Photographic Emulsions,
Pt. 2,.

KEM. LND. (Zagreb) Vol. 13, No. 8, pp. 617-21,
1964.

A.T.S. CR-4698

Hedvig, P.

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

KEMIAALINEN, V. 35, 1971, pp. 409-432

URL-Trans-10677

NTC 73-12003-07D

Hangos, I.

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

KEMIAL KOZLEMENYEHK. 1972, pp 459-486, v. 37.
NTC 73-12356-07D.

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

Apr 74

Status and Perspectives of Organic Chemistry
Research, 20 pp.

VEMLAI KOZLEMENYEK, Budapest, No 3-4, 1973,
pp 449-461.

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-11139.
NTC 73-11113-07A

Loom, 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 11, 1966, pp 475-495

CSIRO-Trans 11885

NTC 78-18912-07A

Musicki, D.

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

KEMIJA U INDUSTRIJI, No 5, 1960, pp 301-303

DISTRIBUTION LIMITED TO U.S. GOVT AGENCIES

FSTG-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//
--/--/1978, V0021, N0010,
Dry Process Coloring of Thermoplastic Materials,
PP 521-530, NTC: 74-10230-1110@

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

Comp Special
11718

OSO: 8807/1068/73
27 Dec 1970

JAPANESE

Examination and Knowledge of Measuring Equipment.

KENCHI SOKUJUNJI BISHAI, 1970, pp 1-99.

May 73

OGATA, T.

//KENRITSU GAN SENTA NIGATA BHOIN SIHI//

--/--/1972, V0012, N0003, pp 194

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

NTC 75-10238-06E

#

Terahisa Okaji

The D 50 P - 15 Damp Ground
Buildozer 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

WEHR, E.

//KOMMISCHER ZEITSCHRIFT//

--/---/1969, VOOR, N-...

Problems Associated with Wet Dust Cleaning of Guns,
DE 169-129, ITC 74-101-2-0720

Sattler, 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 Katusy Lajos.

KERESZTELMEZES FELMÉRTEMNY KIFEJLESZTESÉÉ ÉS MŰSAANI-
GAZDASÁGI VIZSGÁLATA, 1959, pp 31-55.

*USDOC/FRA

Available at NTIS TR 73-55002

App: 71

15-Apr-74

Uncl (RFP-Trans--159) 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 \$5.00.

07 chemistry (analytical); 078 chemistry (inorganic);
translations
MX-4 P NSA

ROMMEL, H.

//KERNENERGIE//

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

Boron determination by activation analysis

according to the nuclear reaction $B^{11}(p, n)Cl^{11}$

pp 859-860, NTC 74-11639-07E. J

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-UR

000111
422

KERNEENERGIE VOL 14 ISSUE 12 1971 PP 375-377

FSIC-HT-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. C. Russell from Kernenergie; 17: No. 1, 5-10(1974). 17p. Dep. NTIS \$4.00.

07 chemistry (analytical); 18I reactor cooling; translations
MN-79a P NSA

Ifflander, G.

Radiation Protection Laws and Regulations
Described, 12 pp.

KERNENERGIE, West Berlin, Aug 74, pp. 246-258.
JPRS 63260

740 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 Green (New Brunswick Lab., NJ) from Kerntechnik; 9: No. 3, 116-115(1966). 14p. Dep. NTIS \$4.00.

07A chemistry(separation); LRU 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-945-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. 3p. Dep. NTIS \$3.00.

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

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

revision

T. Böhm

Applied magnetohydrodynamics, report no. 10,
MHD-test facility argus 2: Description and
operations. 91 pp.

KERNFORSCHUNGSANLAGE JULICH GES. MIT BESCHRANKTER
HAFTUNG. Report No. Jul-883-TP, Aug. 1961, pp 87.
NASA TT F 14876

11-Jan-74
Uncl (ORNL-tr--2735) 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; 10J reactor fuels; translations
MN-25 P NSA

Basrali, M. N.

*Kinetic investigation on pulse radiolytically produced
CH, CH₂, 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 (GER:TR--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
SID-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, R.; 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.

Q7A chemistry (separation); 18J reactor fuels
STD-77 P NSA

revision

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

11F metallurgy: transitions
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

26-Nov-73
Uncl (ORNL-tr--2719) Contribution to fluidized bed
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--9A6-RW. 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

Uncl (GFSRTP-00) Reprocessing of thorium-bearing nuclear fuels. Annual report, July 1, 1971--June 30, 1972. (KERNFORSCHUNGSANLAGE JOELICH G.M.B.H. (F.R. GERMANY). INST. FÜR CHEMISCHE TECHNOLOGIE). Aug 1972. 128p. Dep. NTIS 1974.

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

G7 chemistry (analytical); G7E chemistry (radio and radiation); J7A chemistry (separation); 18G fission products; 11F metallurgy; progress reports; 18G radioactive wastes; 18J reactor fuels
SDD-77 F NSA

27-Feb-74
Uncl (GERHTR--59) Development of a method and
experimental installation for prefabricating HTGR fuels.
ZIMMER, E.; NAEIFE, P.; RINGEL, H. (~~KERNFORSCHUNGSANLAGE~~
~~JUELICH 6 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 (GERM--06) Component development for dissolution, feed solution adjustment, and extraction in JUPITER. BODEWIG, F.G.; JOHANNISBAUER, W.; KAISER, G.; SCHUHR, P. (KERNFORSCHUNGSANLAGE JUELICH G.M.B.H. (F.R. GERMANY). INST. FÜR 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.
(KERNEFORSCHUNGSANLAGE JUELICH G.M.B.H. (F.R. GERMANY).
INST. FUER REAKTORENTWICKLUNG). Jul 1973. Translation
of JUL-967-INC. 75p. Dep. NTIS \$5.75.

07A chemical engineering; translations
MN-4 P NSA

1-Mar-74

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

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

G7A chemical engineering; 11F metallurgy; 12J reactor fuels

STD-77 P NSA

REVISED

1-Mar-74

Urc1 (GERFTR--70) Model investigations of conical fluidized beds for the coating of nuclear fuel particles. WALLRATH, C.F.; GYARMATI, E.; NICKEL, H. (KERNFORSCHUNGSANLAGE JUELICH G.M.B.H. (F.R. GERMANY). INST. FUER REAKTIVWEKSTOFFE). 1971. 23p. Dep. NTIS PB.25.

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

11F metallurgy; 1MJ reactor fuels
STD-77 F MCA

revision

13-Mar-74
Uncl (GERHTR--51) 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.

D7 chemistry (analytical); 11F metallurgy; 19J reactor
fuels
SID-77 P NSA

27-Feb-74

Uncl (GER4TR--45) Structure of propene-pyroc carbon 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. GERMAN (L. INST. FUER REAKTORWERKSTOFFE)). Sep 1971. 30p. (JUL--795-74). Dep. NTIS \$8.50.
Work performed under United States--German High Temperature Reactor Research Exchange Program.

18J reactor fuels; 18J reactor materials; 18L reactor 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. LUBELICH, H.; SUETTERLIN, L.; PFLAUM, P.; NICKEL, H. (KERNFORSCHUNGSANLAGE JUELICH 3.M.B.1. (F.R. GERMANY). INST. FUER REAKTORWERKSTOFFE). 1972. 20p. Dep. NTIS \$3.00.

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

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

revision

27-103-74

Uncl (GERBTR--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. FÜR REAKTORWERKSTOFFE). Jun 1972. 106p. (JUL--858-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

Unc1 (GERHTR--58) Irradiation-induced change in the orientation anisotropy in pyrocarbon coatings of fuel-oxide particles. KOZLIK, S.; KOSS, P.
(KERNFORSCHUNGSANLAGE JUELICH R.M.F.H. (F.R. GERMANY).
INST. FUER REAKTORWERKSSTOFFE; OESTERREICHISCHE
STUDIENGESELLSCHAFT FUER ATOMENERGIE G.M.B.H.; VIENNA).
1 Jan 1973. 6p. Dep. N° IS \$3.00.

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

radiation effects; 18M 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. WOLFRUM, E.; ROTTMANN, J.; BUEKER, I.;
NICKEL, H. (KERNFORSCHUNGSANLAGE 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. De.
NTIS 45.25.

U-235 chemistry (separation); translations
AW-10 F 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; 18K reactor materials; 18L reactor safety; 18M
reactor physics; 18N 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) \$9.75.

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

181 reactor engineering; 181 reactor safety; 18L reactors-power
SID-73p NP NSA

18-Dec-73

Uncl (EURFNR--1099) Burnup determination on nuclear fuel samples from the FR-2 reactor. HOFFMANN, 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 USA

21-Mar-74
Uncl (BNWL-tr--109) analysis of void volume
distribution in oxide fuel pins with high pin power.
HOFFMAN, H. (FERNRECHNUNGSZENTRUM KARLSRUHE (F.R.
GERMANY)). 10 Aug 1973. Translation of REA--1863.
121b. Dep. NTIS #8.21.

11P metallurgy; radiat or effects; 18J reactor fuels;
translations
MN-25 P USA

25-Jun-74

Uncl (EURPR--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-796 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. HTES \$9.00.

181 reactor cooling; 181 reactor engineering; 181 reactors-power; translations
MM-79c P USA

26 Jun-74
Uncl (SNNL-114) Iodine filter program. WILHELM,
J.; DELLMANN, H.G.; BERLACH, K.; SCHUTTLAUFF, H.
(KERNFORSCHUNGSZENTRUM KARLSRUHE (F.R.G. GERMANY)). May
1974. Translation of excerpt from NK--1565. 26p.
Dep. NTIS 14-57.

USR health and safety; 180 instrumentation; 11 materials;
radiation effects; 101 reactor safety; translations
NK-11 P 155A

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.

07 chemistry (analytical); 07A chemistry (separation);
06R health and safety; 18I reactor engineering; 18I
reactor safety; translations
MN-41 P NSA

Onfracet, G.

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

46 pp

FORNSORSCHUNGSBEREICH KARLSRUHE. EXTERNER BERICHT
3/73-2. LEHRENDEN FÜR MATERIAL-UND FESTKÖRPERFORSCHUNG.

14-18 November 1971. Newsletter '72 in stereology, vol. 6, 1973, pp. 40-83
AIR/PTD-43-23-327-74

Distribution limited to U. S. Gov't agencies only;
Copyright Information: Other request for this document
must be referred to PFI. The contents of this document
are suspected to be subject to copyright protection.

5-Dec-73
Uncl (EURFNR--1100) Determination of the U-235
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

Unc' (EURFNR--1118) New definition of reliability,
continuous lifetime prediction, and learning processes.
CALDAROLA, L. (KERNFORSCHUNGS ZENTRUM KARLSRUHE (F.R.
GERMANY). INST. FUER ANGEWANDTE SYSTEMTECHNIK UND
REAKTORPHYSIK). Jul 1973. 65p. (KFK--1847; EUR--
4959; CONF-730714--2). Dep. NTIS (U.S. Sales Only)
\$5.25.

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

181 reactor engineering
STD-79 NP NSA

21-Jan-74
Uncl (EURFR--1117) Aerosol behavior in closed
containers (PART IEPK 2). KELLER, K.
(KERNFORSCHUNGSZENTRUM KARLSRUHE (F.R. GERMANY), INST.
FÜR ANGEWANDTE SYSTEMTECHNIK UND REAKTORPHYSIK). Aug
1973. 14p. (KFK--1753). Dep. NTIS \$3.00.
Work Performed under United States--Euratom Fast
Reactor Exchange Program.

G35 computers; 193 reactor safety
STO-29p P NSA

17-Apr-74

Uncl (EURFNR--115) 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.

09B 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. 18ip. Dep. NTIS \$11.25.

20G particle accelerators; translations
MN-28 P USA

revision

PIOSCZYK, B.
//KERNFORSCHUNGSZENTRUM KARLSRUHE. INSTITUT FUR
EXPERIMENTELLE KERNPHYSIK//
--/--/1973, V----, N----,
.F Losses in Superconducting Helix Resonators
Caused by Frozen-In Magnetic Field, 27 pp
Rpt #IEKP II/III, 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.
RAKIYANSKII, A.A.; SHENDEROVICH, A.M.
(KERNFORSCHUNGSZENTRUM, KARLSRUHE (WEST GERMANY).
INSTITUT FUER EXPERIMENTELLE KERNPHYSIK). Feb 1973.
7p. (In German). (CONF-720952--5). 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

30-Jul-74

Uncl (ANL-Trans--956) Mechanical excitation of
superconducting helix resonators by external sources with
slowly varying frequency. SCHULZE, D.; HORNUNG, A.
(KERNFORSCHUNGSZENTRUM KARLSRUHE (F.R. GERMANY). INST.
FUER EXPERIMENTELLE KERNPHYSIK). Mar 1974.
Translation by A.H. Jaffey of KFK-Ext.--3/74-3. 27p.
Dep. NTIS \$4.50.

Z06 particle accelerators; translations
MN-28 P NSA

SCHULZE, D.
//KERNFORSCHUNGSZENTRUM KARLSRUHE, INSTITUT FUR
EXPERIMENTELLE KERNPHYSIK//
--/02/1974, N----, 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-955-740@

30-Jan-74

Uncl (KFK-tr--427) Outlocr. 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 1973).

206 particle accelerators; translations
MN-28 NP NSA

SCHEWY, .
/AER FOR ENGINEERING REPORT, MARKER//
1971, V. 1, No. 1, p. 1-10.
A Procedure for the Direct Numerical Simulation
of Turbulent Flow in Plate and Annular Channels
and Its Application to the Development of
Turbulence Models, 227 pp.
SP 3-840, NASA-TN-7-1159102