

NUCLEAR SCIENCE AND ENGINEERING®

VOLUME 71, NUMBER 2, AUGUST 1979

CONTENTS TECHNICAL PAPERS

- | | | |
|-----|--|---|
| 87 | Factorized Kernels and the DKPL Solution to the Third Form of the Neutron Transport Equation in a Rectangular Parallelepiped | <i>A. Bassini, F. Premuda,
W. A. Wassef</i> |
| 100 | Discrete Transfer Cross-Section Expansion for Time-Dependent Neutron Transport | <i>F. Beranek, R. W. Conn</i> |
| 111 | Computational Efficiency of Numerical Methods for the Multigroup, Discrete-Ordinates Neutron Transport Equations: The Slab Geometry Case | <i>R. E. Alcouffe, E. W. Larsen,
W. F. Miller, Jr., B. R. Wienke</i> |
| 128 | Analysis of Error in Monte Carlo Transport Calculations | <i>Thomas E. Booth,
Edmond D. Cashwell</i> |
| 143 | Reactivity Measurements in a Thorium Critical Assembly | <i>Keiji Kobayashi,
Junnosuke Horie, Keiji Kanda,
Toshikazu Shibata</i> |
| 154 | Critical Experiments with Lattices of 4.75-wt% ²³⁵ U-Enriched UO ₂ Rods in Water | <i>J. C. Manaranche, D. Mangin,
L. Maubert, G. Colomb,
G. Poullot</i> |
| 164 | Effect of Soluble Neutron Absorbers on the Criticality of Low-Uranium-235-Enriched UO ₂ Lattices | <i>R. C. Lloyd, B. M. Durst,
E. D. Clayton</i> |
| 170 | Characteristics of a Beam-Driven Deuterium-Fueled Fusion-Fission Reactor System | <i>K. F. Schoepf, A. A. Harms</i> |
| 182 | ^{104,105,106,108,110} Pd(n,γ) Cross Sections Above 2.6 keV | <i>R. L. Macklin, J. Halperin,
R. R. Winters</i> |
| 192 | Multiple-Jet Thermal Mixing in a Piping Tee | <i>Paul S. Lykoudis,
Robert C. Hagar</i> |

TECHNICAL NOTES

- | | | |
|-----|---|--|
| 202 | Accuracy and Computational Time of a Hierarchy of Growth Rate Definitions for Breeder Reactor Fuel | <i>P. J. Maudlin, R. C. Borg,
K. O. Ott</i> |
| 205 | ⁶ Li(n,α)T Cross Section from 70 to 3000 keV from the ²³⁵ U(n,f) Calibration of a Thin Glass Scintillator | <i>R. L. Macklin, R. W. Ingle,
J. Halperin</i> |

(Continued)

VOLUME 71, NUMBER 2, AUGUST 1979

CONTENTS

(Continued)

- | | | |
|-----|--|---|
| 208 | The Energy Dependence of Fission Fragment Anisotropy
in Fast-Neutron-Induced Fission of Uranium-235 | <i>S. Ahmad, M. M. Islam,
A. H. Khan,
M. Khaliquzzaman,
M. Husain, M. A. Rahman</i> |
| 212 | The Calculation of the Void Fraction by Slip Ratio
Correlations: A General Method | <i>F. Norelli</i> |
| 215 | Thermal Radiation Properties of Interfaces Between
Nuclear Reactor Materials | <i>S. H. Chan, H. H. Tseng</i> |

LETTERS TO THE EDITOR

- | | | |
|-----|--|------------------------|
| 228 | On the Eigenvalues of the Stationary and Time-Depen-
dent Boltzmann Equation in Its Integro-Differential and
Integral Forms | <i>V. Protopopescu</i> |
| 229 | Comments on "On the Eigenvalues of the Stationary and
Time-Dependent Boltzmann Equation in Its Integro-
Differential and Integral Forms" | <i>N. G. Sjöstrand</i> |

BOOK REVIEW

- | | | |
|-----|---|----------------------|
| 231 | Nuclear Reactor Theory and Design, Roger A. Rydin | <i>N. C. Francis</i> |
|-----|---|----------------------|

- 232 ANNOUNCEMENT OF CURRENT PUBLICATIONS