

NUCLEAR SCIENCE AND ENGINEERING®

VOLUME 96, NUMBER 2, JUNE 1987

CONTENTS

TECHNICAL PAPERS

- 85 Optimization of Core Reload Design for Low-Leakage Fuel Management in Pressurized Water Reactors
Young Jin Kim, Thomas J. Downar, Alexander Sesonske
- 102 Fission Rates and High-Energy Neutron Fluxes in the Purdue Fast Breeder Blanket Facility
Helio C. Vital, F. M. Clikeman, K. O. Ott
- 112 Resonance Self-Shielding near Zone Interfaces
S. C. Mo, K. O. Ott
- 122 Nuclear Data for ^{235}U , ^{238}U , and ^{239}Pu in the Unresolved Resonance Region
A. A. Vankov, V. F. Ukraintsev, N. Yaneva, S. Toshkov, A. Mateeva
- 137 Thermocapillary-Induced Breakup of Molten Cladding Films
P. R. Henkel
- 145 Estimation of Failed Sensor Outputs
J. Louis Tylee
- 153 Some Aspects of the Forward Method for High-Order Sensitivity Analysis
Yigal Ronen

TECHNICAL NOTES

- 159 Measurement and Status of Neutron Scattering on ^6Li and ^7Li Between 6 and 14 MeV
D. Schmidt, D. Seeliger, G. N. Lovchikova, A. M. Trufanov
- 168 Time Behavior of the Neutron Flux at the Vessel Boundary of a Boiling Water Reactor Power Plant
A. Cesana, M. Terrani, G. Sandrelli

COMPUTER CODE ABSTRACT

- 171 GERES: A Code to Process MC2-II Data for Heterogeneous Fast Reactor Cell Calculation
M. Galli