

NUCLEAR SCIENCE AND ENGINEERING®

VOLUME 122, NUMBER 2, FEBRUARY 1996

CONTENTS

TECHNICAL PAPERS

- | | | |
|-----|---|--|
| 151 | A Quasi-Isotropic Reflecting Boundary Condition for the TIBERE Heterogeneous Leakage Model | <i>Ivan Petrovic, Pierre Benoist,
Guy Marleau</i> |
| 167 | Effects of S_N Method Numerics on Pressure Vessel Neutron Fluence Calculations | <i>Bojan G. Petrovic,
Alireza Haghigat</i> |
| 194 | Variational Nodal Formulation for the Spherical Harmonics Equations | <i>E. E. Lewis, C. B. Carrico,
G. Palmiotti</i> |
| 204 | A Two-Dimensional Multiregion Computer Model for Predicting Nuclear Excursions in Aqueous Homogeneous Solution Assemblies | <i>R. H. Kimpland,
D. E. Kornreich</i> |
| 212 | Nuclear Design of a High-Temperature Engineering Test Reactor (HTTR) | <i>Kiyonobu Yamashita,
Ryuichi Shindo, Isao Murata,
So Maruyama,
Nozomu Fujimoto,
Takeshi Takeda</i> |
| 229 | Plutonium Burning in Pressurized Water Reactors Via Nonfertile Matrices | <i>C. Lombardi, A. Mazzola</i> |
| 240 | A Plutonium-Fueled High-Moderated Pressurized Water Reactor for the Next Century | <i>Patrick Barbrault</i> |
| 247 | Measurement of the Neutron Activation Cross Sections of ^{12}C , ^{30}Si , ^{47}Ti , ^{48}Ti , ^{52}Cr , ^{59}Co , and ^{58}Ni Between 15 and 40 MeV | <i>Yoshitomo Uno,
Yoshitomo Uwamino,
Titik S. Soewarsono,
Takashi Nakamura</i> |
| 258 | Shielding Calculations for 230-MeV Protons Using the LAHET Code System | <i>J. V. Siebers,
P. M. DeLuca, Jr.,
D. W. Pearson, R. E. Prael</i> |
| 267 | A Green's Function Method for High Charge and Energy Ion Transport | <i>Sang Y. Chun,
Govind S. Khandelwal,
John W. Wilson</i> |

(Continued)

CONTENTS

(Continued)

TECHNICAL NOTE

- 276** A New Self-Shielding Method Based on a Detailed Cross-Section Representation in the Resolved Energy Domain

H. Saygin, A. Hébert

LETTERS TO THE EDITOR

- 283** Comments on "Investigation of Interface-Current Solution Techniques for Coupled Heterogeneous Cells"
285 Reply to "Comments on 'Investigation of Interface-Current Solution Techniques for Coupled Heterogeneous Cells'"

*Robert Roy, Alain Hébert,
Guy Marleau*

Knud L. Thomsen