

NUCLEAR SCIENCE AND ENGINEERING®

VOLUME 128, NUMBER 1, JANUARY 1998

CONTENTS

TECHNICAL PAPERS

- | | | |
|----|--|---|
| 1 | Two-Dimensional Geometrical Corner Singularities in Neutron Diffusion—Part I: Analysis | <i>Dan G. Cacuci</i> |
| 17 | Two-Dimensional Geometrical Corner Singularities in Neutron Diffusion—Part II: Application to the SNR-300 Benchmark | <i>D. G. Cacuci,
E. Kieffhaber, B. Stehle</i> |
| 27 | The Time-Dependent Simplified P_2 Equations: Asymptotic Analyses and Numerical Experiments | <i>Uncheol Shin,
Warren F. Miller, Jr.</i> |
| 47 | Measured and Calculated Differential and Total Yield Cross-Section Data of $^{58}\text{Ni}(n, x\alpha)$ and $^{63}\text{Cu}(n, xp)$ in the Neutron Energy Range from 2.0 to 15.6 MeV | <i>C. Tsabarlis,
E. Wattecamps,
G. Rollin,
C. Papadopoulos</i> |
| 61 | Neutron Total Cross-Section Measurements and Resonance Parameter Analysis of Holmium, Thulium, and Erbium from 0.001 to 20 eV | <i>Y. Danon, C. J. Werner,
G. Youk, R. C. Block,
R. E. Slovacek,
N. C. Francis,
J. A. Burke,
N. J. Drindak, F. Feiner,
J. A. Helm</i> |
| 70 | Transmutation of Technetium in the Petten High Flux Reactor: A Comparison of Measurements and Calculations | <i>R. J. M. Konings,
J. L. Kloosterman,
J. A. Hendriks,
H. Gruppelaar</i> |
| 76 | Calculation of Point-Kinetics Parameters in the MOBY-DICK System | <i>Jiří Švarný, Václav Krýsl,
Pavel Mikoláš,
Karel Vlachovský</i> |

TECHNICAL NOTE

- | | | |
|----|--|------------------------|
| 88 | The Scalar Flux and Current for Small Critical One-Dimensional Systems | <i>G. C. Pomraning</i> |
|----|--|------------------------|