

NUCLEAR SCIENCE AND ENGINEERING®

VOLUME 147, NUMBER 2, JUNE 2004

CONTENTS

TECHNICAL PAPERS

- | | | |
|-----|---------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|
| 93 | Super-Nodal Methods for Space-Time Kinetics | <i>Ugur Merteyurek, Paul J. Turinsky</i> |
| 127 | Convergence Analysis of the Nonlinear Coarse-Mesh Finite Difference Method for One-Dimensional Fixed-Source Neutron Diffusion Problem | <i>Deokjung Lee, Thomas J. Downar, Yonghee Kim</i> |
| 148 | Optimized Algorithm for Collision Probability Calculations in Cubic Geometry | <i>R. D. M. Garcia</i> |
| 158 | Singular Solutions, Integral Transport Theory, and the S_n Method | <i>J. E. Morel, K. D. Lathrop</i> |
| 167 | Neutron Flux Distribution in a Cavity with a Point Source | <i>Biplab Ghosh, S. B. Degweker</i> |
| 176 | Acceleration of Response Matrix Method Using Cross-Section Scaling | <i>Akio Yamamoto</i> |
| 185 | Evaluation of the Efficiency of Gamma Spectrometers for Measuring Volumetric Samples | <i>Nader M. A. Mohamed, M. Abou Mandour</i> |