Nuclear Science and Engineering

VOLUME 183 · NUMBER 2 · JUNE 2016

Contents

TECHNICAL PAPERS

- 161 A Method for the Adaptive Selection of Angular Flux Expansion Orders in the Coarse Mesh Radiation Transport (COMET) Method Kyle Remley, Farzad Rahnema
- 173 Optimization Algorithms for Multigroup Energy Structures M. J. Fleming, L. W. G. Morgan, E. Shwageraus
- 185 A New Nodal Expansion Method with High-Order Moments for the Reduction of Numerical Oscillation in Convection-Diffusion Problems *Xiafeng Zhou, Jiong Guo, Fu Li*
- **196** Convergence Analysis for the Method of Characteristics in Unstructured Meshes *Richard Sanchez, Simone Santandrea*
- 214 Stochastic Analog Neutron Transport with TRIPOLI-4 and FREYA: Bayesian Uncertainty Quantification for Neutron Multiplicity Counting J. M. Verbeke, O. Petit
- 229 Nuclear Reactor Transient Analysis by Continuous-Energy Monte Carlo Calculation Based on Predictor-Corrector Quasi-Static Method YuGwon Jo, Bumhee Cho, Nam Zin Cho
- 247 Assessment of the Online Core Power Measured by a Boron Chamber in a Pool-Type Research Reactor Using a Nonlinear Calibration Model *L. Pantera, Y. Garnier, F. Jeury*
- 261 Sensitivity of Cross Sections to Isotopic Densities for Subgroup Resonance Self-Shielding Calculations *M. Dion, G. Marleau*
- 275 Preequilibrium Models for ⁶³Cu(*n, xp*) Reaction in Neutrons at 9, 11, 14.8, and 15 MeV Using the EMPIRE 3.2 Code L. Yettou
- 286 Neutron Total Cross Sections and Resonance Parameters of Palladium Taofeng Wang, Guinyun Kim, Young Do Oh, Moo-Hyun Cho, In Soo Ko, Won Namkung

TECHNICAL NOTE

298 Double-Differential Angle-Dependent Three-Body Neutron Production Cross Sections of the Reaction ²H(t,n)X+Y at Triton Energies Between 5.97 and 16.41 MeV
M. Drosg, G. Haouat, D. M. Drake