

Nuclear Science and Engineering

VOLUME 196 · NUMBER 7 · JULY 2022

Contents

TECHNICAL PAPERS

- 769** Improvements in Computational Efficiency for Resonance Calculation Using Energy Spectrum Expansion Method
Ryoichi Kondo, Tomohiro Endo, Akio Yamamoto, Satoshi Takeda, Hiroki Koike, Kazuya Yamaji, Koji Asano
- 792** Lie Group Analysis of the Integral Equations Related to Neutron Slowing-Down Theory
Patrick O'Rourke, Scott Ramsey, Brian Temple
- 811** A Machine Learning Method for the Forensics Attribution of Separated Plutonium
Patrick J. O'Neal, Sunil S. Chirayath, Qi Cheng
- 824** Post-Neutron Mass Yield Distribution in the Thermal Neutron-Induced Fission of ^{239}Pu
H. Naik, S. P. Dange, R. J. Singh, W. Jang
- 852** On the Numerical Method for Photofission-Based Nuclear Material Isotopic Composition Estimation in Thorium-Uranium Systems
Kim Wei Chin, Rei Kimura, Hiroshi Sagara, Kosuke Tanabe
- 873** The Solitary Wave in Advanced Nuclear Energy System
Jin Feng Huang
- 886** Nuclear Reactor Power Level Model Predictive Control: A Consideration of Coolant Outlet Temperature Relaxation Tracking Method
Yuanjie Fang, Minrui Fei, Hong Qian, Ling Wang, Kai Chen
- 899** Thermal-Mechanical Analysis of Beam Window and Beam Tube for ADS Granular Flow Target
Weiping Deng, Yanbin Zhang, Huan Jia, Tao Wan, Weifeng Yang, Chengwen Qiang, Long Li, Fei Wang, Honglin Ge, Fei Ma, Xueying Zhang