

# NUCLEAR SCIENCE AND ENGINEERING®

VOLUME 180, NUMBER 2, JUNE 2015

## CONTENTS

### TECHNICAL PAPERS

- |            |   |  |
|------------|---|--|
| <b>123</b> | A New Molybdenum Production Element for Implementation in TRIGA Reactors: Thermal-Hydraulic Characterization                          | <i>W. R. Marcum, P. Y. Byfield,<br/>S. R. Reese</i>  |
| <b>141</b> | Study of Critical Heat Flux in Natural Convection-Cooled TRIGA Reactors with Single Annulus and Rod Bundle Geometries                 | <i>Jun Yang, Michael Scott<br/>Greenwood, Matthew De Angelis,<br/>Michael Avery, Mark Anderson,<br/>Michael Corradini, James Matos,<br/>Floyd Dunn, Earl Feldman</i> |
| <b>154</b> | Global Control of H-Infinity Multimodel System with Gap Metric and Self-Stability for Load-Following Nuclear Reactor Core             | <i>Gang Li</i>   |
| <b>172</b> | Determination of Turbulent Mixing Rate for Single-Phase Flow in Simulated Subchannels of a Natural-Circulation Pressure Tube-Type BWR | <i>M. P. Sharma, A. K. Nayak</i>   |
| <b>182</b> | Validation of the Legendre Expansion of the Collision Law for Light Water Reactor Calculations  | <i>Ansar Calloo, Jean-François<br/>Vidal, Romain Le Tellier, Gérald<br/>Rimpault</i>   |
| <b>199</b> | Monte Carlo Fission Matrix Acceleration Method with Limited Inner Iteration   | <i>LiuJun Pan, Ruihong Wang,<br/>Song Jiang</i>  |
| <b>209</b> | Temperature Majorant Cross Sections in Monte Carlo Neutron Tracking   | <i>Tuomas Viitanen,<br/>Jaakko Leppänen</i>  |
| <b>224</b> | The Infinite Medium Green's Function of Monoenergetic Neutron Transport Theory via Fourier Transform                                  | <i>B. D. Ganapol</i>   |