

NUCLEAR SCIENCE AND ENGINEERING®

VOLUME 154, NUMBER 1, SEPTEMBER 2006

CONTENTS

TECHNICAL PAPERS

- | | | |
|----|---|---|
| 1 | Implications of Alternative Strategies for Transition to Sustainable Fuel Cycles | <i>Antonino Romano,
Thomas Boscher, Pavel Hejzlar,
Mujid S. Kazimi, Neil E. Todreas</i> |
| 28 | Mixed and Hybrid Finite Element Method for the Transport Equation | <i>J. Cartier, G. Samba</i> |
| 48 | Power Iteration Method for the Several Largest Eigenvalues and Eigenfunctions | <i>Thomas E. Booth</i> |
| 63 | Development of a Criticality Evaluation Method Involving the Granular Flow of the Nuclear Fuel in a Rotating Drum | <i>Mikio Sakai, Kazuya Shibata,
Seiichi Koshizuka</i> |
| 74 | Development of Sweepout Model in APR1400 During an LBLOCA | <i>Byoung-Uhn Bae, Yong-Soo Kim,
Goon-Cherl Park</i> |

TECHNICAL NOTES

- | | | |
|-----|---|---|
| 94 | Critical Heat Flux of Subcooled Water Flow Boiling for High L/d Region | <i>Koichi Hata, Masahiro Shiotsu,
Nobuaki Noda</i> |
| 110 | A Method for Fast Determination of the α Parameter in Nuclear Reactors | <i>I. M. Cohen, M. Arrondo,
M. A. Arribére,
M. C. Fornaciari Iljadica</i> |