

CONTENTS / AUGUST 2009—VOL. 167, NO. 2

TECHNICAL PAPERS

FISSION REACTORS

- 247 Simplification of the Severe Accident Management Guideline for the Containment Flooding in a Mark-III Containment / Min-Jie Chuang, Shih-Jen Wang, Sheng-Yuan Fann, Show-Chyuan Chiang
- 254 Feasibility Study on an Upgraded Future Monju Core Concept with Extended Operation Cycle Length of One Year and Increased Fuel Burnup / Hidehito Kinjo, Takeshi Kageyama, Akihiro Kitano, Shin Usami

FUEL CYCLE AND MANAGEMENT

268 Sensitivity and Uncertainty Analysis of Commercial Reactor Criticals for Burnup Credit / Georgeta Radulescu, Donald E. Mueller, John C. Wagner

THERMAL HYDRAULICS

- 288 Analysis of a Generic Liquid-Metal Leak / K. Samec, R. Ž. Milenković
- 304 Analysis of Leaks Through Microchannel Cracks Using RELAP5-3D / Angelo Frisani, Yassin A. Hassan
- 313 Use of Geometrically Accurate Fuel Models to Predict Cladding and Basket Temperatures Within a Truck Cask During Normal Transport / Venkata V. R. Venigalla, Miles Greiner

TECHNICAL NOTES

THERMAL HYDRAULICS

325 Dimensionless Numbers in Phase-Change Thermosyphon and Heat-Pipe Heat Exchangers / Piyush Sabharwall, Vivek Utgikar, Fred Gunnerson

REPROCESSING

333 Extraction of U(VI) by Tri-n-Amyl Phosphate Under High Solvent Loading Conditions / A. Suresh, N. L. Sreenivasan, Robert Selvan, M. P. Antony, T. G. Srinivasan, S. B. Koganti, P. R. Vasudeva Rao