

TECHNICAL PAPERS

FISSION REACTORS

- 299 Cross-Section Parameterization Using Irradiation Time and Exposure for Global Depletion Analysis / *Steven E. Aumeier, John C. Lee, Derek M. Cribley, William R. Martin*

NUCLEAR REACTOR SAFETY

- 320 Rough Estimates of Severe Accident Containment Loads Accompanying Vessel Breach in Boiling Water Reactors / *Mark T. Leonard*
- 338 Analysis of a Core Disruptive Accident in a Liquid-Metal-Cooled Fast Breeder Reactor Using the Near-Characteristic Method / *Jayan K. George, Jagdeep B. Doshi*
- 350 Stability Measurements in the German Nuclear Power Plant Wuergrassan During Cycle 14 / *Ethwart Pollmann, Joachim Schulze, Dieter Kreuter*

ENRICHMENT AND REPROCESSING SYSTEMS

- 361 Chinese Experience in the Removal of Actinides from Highly Active Waste by Trialkylphosphine-Oxide Extraction / *Yongjun Zhu, Rongzhou Jiao*

RADIOACTIVE WASTE MANAGEMENT

- 370 Development of a Demister for a Waste Evaporator Using a Hydrophobic Membrane Filter / *Kiyomi Funabashi, Koichi Chino, Tsutomu Baba, Hiroyuki Tsuchiya, Tatsuo Izumida, Toshio Sawa*
- 379 The Benchmarking of a Homogeneous Equilibrium Model for Analysis of Spent-Fuel Shipping Containers / *Steven J. Manson, Dale E. Klein*

HEAT TRANSFER AND FLUID FLOW

- 387 RELAP5/MOD3 Modeling of Water Column Rejoining and a Water Slug Propelled by Noncondensable Gas / *W. S. Yeung, J. Shirkov, F. Seifae*
- 395 Validation of the ATR-SINDA Fuel Plate Model Using Advanced Test Reactor Startup Data / *Steven T. Polkinghorne*
- 413 A Transient Analysis of Decomposition and Erosion of Concrete Exposed to a Surface Heat Flux / *Arif Nesimi Kiliç*

(Continued)

CONTENTS / DECEMBER 1994–VOL. 108, NO. 3

(Continued)

REACTOR OPERATIONS

- 421 Maximum Likelihood Factor Analysis of the Reactor Coolant Pump System /
William S. Grenzebach, Carolyn D. Heising, Thomas J. Marx

DEPARTMENTS

- 434 Volume 108 Indexes
v Volume 108 Contents