TECHNICAL PAPERS

FISSION REACTORS


REACTOR SAFETY

258 Improvement of Molten Core Cooling Strategy in a Severe Accident Management Guideline / Jinho Song, Changwook Huh, Namduk Suh

FUEL CYCLE AND MANAGEMENT

267 Thermomechanical Analysis and Irradiation Test of Sintered Dual-Cooled Annular Fuel / Yong-Sik Yang, Yang-Hyun Koo, Dae-Ho Kim, Je-Geon Bang, Young-Woo Rhee, Dong-Joo Kim, Keon-Sik Kim, Kun-Woo Song

THERMAL HYDRAULICS

280 Verification and Validation of Evaluation Procedures for Local Wall Thinning Due to Flow-Accelerated Corrosion and Liquid Droplet Impingement / Shunsuke Uchida, Masanori Naitoh, Hidetoshi Okada, Taku Ohira, Seiichi Koshizuka, Derek H. Lister

298 Natural Circulation and Linear Stability Analysis for Liquid-Metal Reactors with the Effect of Fluid Axial Conduction / Piyush Sabharwall, Yeon Jong Yoo, Qiao Wu, James J. Sienicki

RADIATION MEASUREMENTS AND GENERAL INSTRUMENTATION

318 In Situ Surveillance of Capacitive Pressure Transmitter Dynamic Poles / M. Balbás, C. Montalvo, A. Garcia-Berrocal, J. Blázquez

324 Design and Simulation of a Gamma-Ray Camera for PET with a Continuous Scintillation Crystal / Behzad Boghrati, Ali Moussavi Zarandi, Mitra Ghergherehchi, Jong Seo Chai

TECHNICAL NOTES

THERMAL HYDRAULICS

335 Molten Salt Mixture Properties (KF-ZrF₄ and KCl-MgCl₂) for Use in RELAP5-3D for High-Temperature Reactor Application / N. A. Anderson, P. Sabharwall

(Continued)
CONTENTS / JUNE 2012—VOL. 178, NO. 3

(Continued)

REPROCESSING

341 Improving the Integral Fast Reactor’s Proposed Salt Waste Management System / Darryl D. Siemer

DEPARTMENTS

353 Volume 178 Indexes

v Volume 178 Contents