

CONTENTS / FEBRUARY 2004—VOL. 145, NO. 2

TECHNICAL PAPERS

REACTOR SAFETY

139 Determination of Limit Cycles Using Both the Slope of Correlation Integral and Dominant Lyapunov Methods / Rogelio Castillo, Gustavo Alonso, Javier C. Palacios

THERMAL HYDRAULICS

- 150 Dynamic Comparison of Three- and Four-Equation Reactor Core Models in a Full-Scope Power Plant Training Simulator / Gilberto Espinosa-Paredes, Jose Alvarez-Ramirez, Alejandro Nuñez-Carrera, Alfonso Garcia-Gutierrez, Elizabeth Jeannette Martinez-Mendez
- 163 Void Fraction and Critical Power Assessment of CORETRAN-01/VIPRE-02 / Yacine Aounallah
- 177 Application of Wavelet Noise-Reduction Technique to Water-Level Controller / Gee Yong Park, Jinho Park, Poong Hyun Seong

NUCLEAR PLANT OPERATIONS AND CONTROL

189 A Personal Computer-Based Simulation-and-Control-Integrated Platform for 10-MW High-Temperature Gas-Cooled Reactor / Lei Shi, Haibin Liu, Xiaojing Yang, Zuying Gao, Yujie Dong, Zuoyi Zhang

REPROCESSING

- 204 Evaluation of ²³⁵U Isotopic Dilution with the Addition of Depleted Uranium to Supernatant Liquid Waste / Lawrence N. Oji, David T. Hobbs, Paul D. d'Entremont
- 215 Evaluation of Uranium Coprecipitation with Sodium Aluminosilicate Phases / Lawrence N. Oji, Adrienne L. Williams

TECHNICAL NOTE

MATERIALS FOR NUCLEAR SYSTEMS

230 Development of a Fast Breeder Reactor Fuel Bundle Deformation Analysis Code—BAMBOO: Development of a Pin Dispersion Model and Verification by the Out-of-Pile Compression Test / Tomoyuki Uwaba, Masahiro Ito, Shigeharu Ukai