NUGLEAR SCIENCE AND ENGINEERING®

VOLUME 158, NUMBER 3, MARCH 2008

CONTENTS

TECHNICAL PAPERS

213	Light Water Reactor Equilibrium Cycle Search Methodology for Assembly-Level Fuel Cycle Analysis	Reuben T. Sorensen, John C. Lee
231	A Modeling of BWR-MOX Assemblies Based on the Characteristics Method Combined with Advanced Self-Shielding Models	R. Le Tellier, A. Hébert, A. Santamarina, O. Litaize
244	Self-Adaptive Spherical Wavelets for Angular Discretizations of the Boltzmann Transport Equation	A. G. Buchan, C. C. Pain, M. D. Eaton, R. P. Smedley-Stevenson, A. J. H. Goddard
264	Optimization of Burnable Poison Loading for HTGR Cores with OTTO Refueling	Hoai Nam Tran, Yasuyoshi Kato, Yasushi Muto
272	Absolute Measurement of β_{eff} Based on Rossi- α Experiments and the Two-Region Model in the IPEN/MB-01 Research Reactor	Renato Yoichi Ribeiro Kuramoto, Adimir dos Santos, Rogério Jerez, Ricardo Diniz
284	Influence of Coolant Flow Direction on Criticality Waves	Hugo van Dam

TECHNICAL NOTE

289 Implementation of Two-Level Coarse-Mesh Finite Difference Acceleration in an Arbitrary Geometry, Two-Dimensional Discrete Ordinates Transport Method

299 VOLUME 158 AUTHOR AND SUBJECT INDEXES

Zhaopeng Zhong, Thomas J. Downar, Yunlin Xu, Mark D. DeHart, Kevin T. Clarno