

NUCLEAR SCIENCE AND ENGINEERING®

VOLUME 99, NUMBER 4, AUGUST 1988

CONTENTS

TECHNICAL PAPERS

- 289 Nonuniform Steam Generator U-Tube Flow Distribution During Natural Circulation Tests in ROSA-IV Large Scale Test Facility *Y. Kukita, H. Nakamura, K. Tasaka, C. Chauliac*
- 299 Study on Coolant Void Reactivity of Pressure-Tube-Type Heavy Water Lattice by the Substitution Method *Yasuki Kowata, Nobuo Fukumura*
- 313 On the Neutron Noise Diagnostics of Pressurized Water Reactor Control Rod Vibrations. III. Application at a Power Plant *I. Pázsit, O. Glöckler*
- 329 Monte Carlo Shielding Analyses Using an Automated Biasing Procedure *J. S. Tang, T. J. Hoffman*
- 343 Application of a Heuristic Search Method for Generation of Fuel Reload Configurations *A. Galperin, E. Nissan*
- 353 Generalized Perturbation Theory for Constant Power Core Depletion *Won Sik Yang, Thomas J. Downar*
- 367 Systematics of Excitation Function for (*n*, Charged-Particle) Reactions *Zhao Zhixiang, Zhou Delin*
- 375 Evaluation of $\bar{\nu}_p$ for ^{239}Pu : Impact for Applications of the Fluctuations at Low Energy *E. Fort, J. Fréhaut, H. Tellier, P. Long*

TECHNICAL NOTE

- 390 The Radiolytic Gas Production Rate in Boiling Water Reactors *Chien C. Lin*