

NUCLEAR SCIENCE AND ENGINEERING®

VOLUME 105, NUMBER 3, JULY 1990

CONTENTS

TECHNICAL PAPERS

- 205** The Density and Compressibility of Liquid (U,Pu)-Mixed Oxide *W. Breitung, K. O. Reil*
- 218** Neutron Kinetics Investigations at the LR-0 Zero-Power Reactor *V. Rypar, J. Racek, K.-H. Fährmann, U. Grundmann, D. Ziegenbein*
- 233** Gamma-Ray Activation and Passive Neutron Methods for Nondestructive Assay of Spent-Fuel Assemblies *Zs. Németh, Á. Veres, I. Pavlicsek, L. Lakosi*
- 244** Analysis of Sample and Fuel Pin Irradiation Experiments in Phénix for Basic Nuclear Data Validation *A. D'Angelo, F. Cleri, P. Marimbeau, M. Salvatores, J. P. Grouiller*
- 256** Variational Formulation of a Higher Order Nodal Diffusion Method *D. V. Altiparmakov, Dj. Tomašević*
- 271** Wiener-Hopf Technique Solution to a Rewetting Model with Precursory Cooling *Shmuel Olek*
- 278** Comparison of Calculated Results with Experimental Data for the Tritium Production Rates in a Li₂O Assembly *R. T. Santoro, R. G. Alsmiller, Jr., J. M. Barnes, T. A. Gabriel*

TECHNICAL NOTES

- 290** A Generalized Perturbation Theory for the Reconstruction of the Axial Offset in a Pressurized Water Reactor *G. B. Bruna, R. Aigle, O. Loussouarn*
- 297** Simultaneous Estimation of Neutron Density and Reactivity in a Nuclear Reactor Using a Bank of Kalman Filters *Carlos E. D'Attellis, Elsa Cortina*

LETTERS TO THE EDITOR

- 300** Comments on "Conceptual Design and Neutronics Analyses of a Fusion Reactor Blanket Simulation Facility" *Sümer Şahin*
- 301** Reply to "Comments on 'Conceptual Design and Neutronics Analyses of a Fusion Reactor Blanket Simulation Facility'" *Denis E. Beller*