

NUCLEAR SCIENCE AND ENGINEERING®

VOLUME 104, NUMBER 3, MARCH 1990

CONTENTS

TECHNICAL PAPERS

- 199** A Numerical Method for One-Group Slab-Geometry Discrete Ordinates Problems with No Spatial Truncation Error
Ricardo C. De Barros, Edward W. Larsen
- 209** Analytic Reductions for Transmission and Leakage Probabilities in Finite Tubes and Hexahedra
G. Marleau, R. Roy, A. Hébert
- 217** Influence of Water Density Change on the Criticality in Special Fuel Lattices
János Gadó, István Vidovszky
- 222** A Diffusion Iterative Model for Simulation of Reactivity Devices in Pressurized Heavy Water Reactors
V. Jagannathan, R. P. Jain, Vinod Kumar, H. C. Gupta, P. D. Krishnani
- 239** Neutron Energy Spectra in Lithium: Measurements and Calculations
R. Ofek, A. Tsechanski, A. Goldfeld, G. Shani, A. E. Profio, J. J. Wagschal
- 258** Neutron Absorption Cross Section of ^{236}U
R. L. Macklin, C. W. Alexander
- 271** Activation Cross Sections of Neutron Threshold Reactions on Some Zirconium Isotopes in the 5.4- to 10.6-MeV Energy Range
M. Ibn Majah, S. M. Qaim
- 277** Fast Neutron Capture Cross Sections of Europium
Xiang Zhengyu, Xu Haishan, Li Yexiang, Mu Yunshan, Wang Shiming, Liu Jianfeng
- 280** Systematics and Parameterization of Continuum Angular Distributions for Application to Reactions Induced by 14-MeV Neutrons
Isao Kumabe, Yukinobu Watanabe, Yoshimitsu Nohtomi, Mitsuru Hanada

TECHNICAL NOTES

- 288** On the Calculation of Steam Explosion Conversion Ratios from Experimental Data
Y. M. Farawila, S. I. Abdel-Khalik
- 296** Studies on the Higher Order Spatial Difference Schemes at the Interface of Two Media
V. Sundararaman