

NUCLEAR SCIENCE AND ENGINEERING®

VOLUME 69, NUMBER 3, MARCH 1979

CONTENTS TECHNICAL PAPERS

- | | | |
|------------|---|---|
| 347 | Exact Statistical Analysis of Nonlinear Dynamic Power Reactor Models by the Fokker-Planck Method. Part II: Reactor with On-Off Control | <i>A. F. Deboscher, W. L. Dutre</i> |
| 354 | Exact Statistical Analysis of Nonlinear Dynamic Power Reactor Models by the Fokker-Planck Method. Part III: Reactor with Temperature Feedback | <i>A. F. Deboscher</i> |
| 363 | A Random Geometry Model in Criticality Calculations of Solutions Containing Raschig Rings | <i>Shi-Ping Teng,
Duaine G. Lindstrom</i> |
| 367 | Neutron Diffusion in Water Containing $1/v$ and Non- $1/v$ Absorbers | <i>R. M. Bansal, S. P. Tewari,
L. S. Kothari</i> |
| 375 | Total Neutron Cross Section for Americium-241 | <i>Thomas W. Phillips,
Robert E. Howe</i> |
| 378 | Neutron-Photon Multigroup Cross Sections for Neutron Energies ≤ 60 MeV | <i>R. G. Alsmiller, Jr., J. Barish</i> |
| 389 | Application of Least-Squares Method to Decay Heat Evaluation | <i>F. Schmittroth,
R. E. Schenter</i> |
| 398 | The Development of Maneuvering Strategies Using Optimal Control Theory | <i>D. D. Ebert, W. B. Terney,
E. A. Williamson, Jr.,
N. R. Gomm</i> |
| 411 | Experiments and Nonequilibrium Analysis of Pipe Blowdown | <i>W. S. Winters, Jr.,
H. Merte, Jr.</i> |

TECHNICAL NOTES

- | | | |
|------------|--|-----------------------|
| 430 | Complex Buckling Modes in Asymmetric Cell Lattices | <i>R. P. Hughes</i> |
| 432 | Gamma-Ray Dose Rate Conversion and Buildup Factors | <i>K. Shure</i> |
| 436 | Tchebycheff-Fitted Berger Coefficients for Eisenhauer-Simmons Gamma-Ray Buildup Factors in Ordinary Concrete | <i>A. B. Chilton</i> |
| 438 | Inertial Confinement Fusion and Long-Term Nuclear Waste Management | <i>Heiner Meldner</i> |

(Continued)

VOLUME 69, NUMBER 3, MARCH 1979

CONTENTS

(Continued)

LETTERS TO THE EDITOR

- 442 Approximation to Neutron Escape Probability for Slab and Cylinder *Iván Lux, István Vidovszky*
- 443 Reply to the Comments by Lux and Vidovszky on an Approximation to Neutron Escape Probability *Yung-An Chao*

BOOK REVIEW

- 445 The Concept of Energy, E. J. Hoffman *John P. Howe*

CORRIGENDUM

- 446 A Computational Study of the Density and Temperature Distribution in a Freely Expanding Uranium Hexafluoride Gas *H. Mikami*

447 ANNOUNCEMENT OF CURRENT PUBLICATIONS

452 VOLUME 69 AUTHOR AND SUBJECT INDEXES