

NUCLEAR SCIENCE AND ENGINEERING®

VOLUME 75, NUMBER 2, AUGUST 1980

CONTENTS

TECHNICAL PAPERS

- | | | |
|-----|---|---|
| 133 | An Approximate Theory for the Neutron Slowing Down
and Propagation in the Field of Gravity | <i>E. Neymotin</i> |
| 140 | Energy Spectra of Delayed Neutrons from the Separated
Precursors Rubidium-93, -94, -95, and Cesium-143 | <i>P. L. Reeder, L. J. Alquist,
R. L. Kiefer, F. H. Ruddy,
R. A. Warner</i> |
| 151 | Measurement and Analysis of the $^{23}\text{Na}(n, x\gamma)$ Reaction
Cross Section for $0.2 \leq E_n \leq 20$ MeV | <i>D. C. Larson, G. L. Morgan</i> |
| 159 | Photointerference Corrections in Neutron Dosimetry for
Reactor Pressure Vessel Lifetime Studies | <i>V. V. Verbinski,
C. G. Cassapakis, W. K. Hagan,
G. L. Simmons</i> |
| 167 | The Behavior of Contained Radioactive Suspensions | <i>L. D. Reed, K. W. Lee,
J. A. Gieseke</i> |

TECHNICAL NOTES

- | | | |
|-----|---|---|
| 181 | Improved Interpolation Schemes in Anisotropic Source
Flux Iteration Techniques | <i>D. V. Gopinath, A. Natarajan,
V. Sundararaman</i> |
| 184 | Effect of Photoneutrons on Thermalization Experiments
in Deuterium | <i>C. J. Gho, M. M. Sbaffoni,
T. F. Parkinson, M. J. Abbate</i> |
| 190 | Variation of Neutron-Density Noise During Core Life in
a Pressurized Water Reactor | <i>R. F. Saxe, K. Verghese,
P. G. Ibrahim</i> |
| 191 | An Algorithm for Failure Location in a Complex Network | <i>Yakov Ben-Haim</i> |

COMPUTER CODE ABSTRACT

- | | | |
|-----|--------|-----------------------|
| 200 | ACCEPT | <i>J. A. Halbleib</i> |
|-----|--------|-----------------------|

LETTERS TO THE EDITOR

- | | | |
|-----|--|----------------------------------|
| 202 | Comments on the Bayesian Method for Estimating
Reactor Core Melt Frequency | <i>Robert G. Easterling</i> |
| 203 | Reply to "Comments on the Bayesian Method for Esti-
mating Reactor Core Melt Frequency" | <i>G. Apostolakis, A. Mosleh</i> |

(Continued)

VOLUME 75, NUMBER 2, AUGUST 1980

CONTENTS

(Continued)

BOOK REVIEW

- 204** Studies in Heat Transfer: A Festschrift for E. R. G. Eckert; J. P. Hartnett, T. F. Irvine, Jr., E. Pfender, and E. M. Sparrow, Eds. *F. C. Prenger*

CORRIGENDUM

- 206** Eigenvalues of the Neutron Transport Equation with Anisotropic Scattering *N. G. Sjöstrand*

- 207** ANNOUNCEMENT OF CURRENT PUBLICATIONS