

CONTENTS / DECEMBER 1985-VOL. 71, NO. 3

TECHNICAL PAPERS

FISSION REACTORS

- 527 A Fluidized-Bed Nuclear Reactor Concept / Farhang Sefidvash
- 535 Automatic Optimized Reload and Depletion Method for a Pressurized Water Reactor / Dawk Hwan Ahn, Samuel H. Levine
- 548 An Axially and Radially Two-Zoned Large Liquid-Metal Fast Breeder Reactor Core Concept / Takanobu Kamei, Mitsuaki Yamaoka, Yasuyuki Moriki, Masao Suzuki, Kazuo Arie
- 557 A Correlation Between Operation of Primary Coolants at Low pH_T with Steam Generator Channel Head Dose Rates in Westinghouse Pressurized Water Reactors / Martin Victor Polley
- 568 A Mathematical Method for Boiling Water Reactor Control Rod Programming / Shinji Tokumasu, Michihiro Ozawa, Hiroshi Hiranuma, Michiro Yokomi

NUCLEAR SAFETY

580 A Symptom-Oriented Method for Posttrip Operation Guidance in Boiling Water Reactors / Junichi Tanji, Shunsuke Utena

RADIOACTIVE WASTE MANAGEMENT

- **590** Experimental and Theoretical Investigations of Corrosion Mechanisms in Cemented Waste Forms / Bernhard Kienzler, Rainer H. Köster
- **597** Radiation Dose Deposition and Colloid Formation in a Rock Salt Waste Repository / *Jitze Bergsma, Robert B. Helmholdt, Roel J. Heijboer*

MATERIALS

608 Thermal Compatibility Studies of Unirradiated Uranium Silicide Dispersed in Aluminum / T. C. Wiencek, R. F. Domagala, H. R. Thresh

(Continued)

CONTENTS / DECEMBER 1985-VOL. 71, NO. 3

(Continued)

RADIATION BIOLOGY AND ENVIRONMENT

617 Three-Dimensional Neutron Streaming Analysis Using the Monte Carlo Coupling Technique in a Medical Irradiation Room of the Musashi Reactor: Comparison with Experiments / Yoshiko Harima, Kohtaro Ueki, Otohiko Aizawa

HEAT TRANSFER AND FLUID FLOW

628 Analyses of ROSA-III Break Area Spectrum Experiments on a Boiling Water Reactor Loss-of-Coolant Accident / K. Tasaka, Y. Koizumi, Y. Kukita, H. Nakamura, Y. Anoda, M. Iriko, H. Kumamaru, M. Suzuki

TECHNICAL NOTE

NUCLEAR FUELS

644 A Simple Computer Model of Pellet/Cladding Interaction Including Stress Corrosion Cracking / James Y. Yaung, D. Okrent, A. R. Wazzan

DEPARTMENTS

- 521 Authors
- 651 Technical Reviewers
- 656 Volume 71 Indexes
- v Volume 71 Contents