

CONTENTS / OCTOBER 1986-VOL. 75, NO. 1

TECHNICAL PAPERS

FISSION REACTORS

- 7 Effect of Pressurizer Sizing on the Turbine Trip Transient / Douglas A. Brownson, Anthony J. Baratta, Gordon E. Robinson
- 15 A Reduced-Order Model of Boiling Water Reactor Linear Dynamics / José March-Leuba
- 23 The Influence of Noise on Edge Determination in Radiography / Yossi Bushlin, Dov Ingman, Y. Segal
- 34 Subchannel Void Fraction Prediction via Drift-Flux Analysis / Hasna J. Khan, George Kosaly
- 46 ARKAS: A Three-Dimensional Finite Element Program for the Core-Wide Mechanical Analysis of Liquid-Metal Fast Breeder Reactor Cores / Masatoshi Nakagawa

FUEL CYCLES

66 A Long-Term Perspective on the Light Water Reactor Fuel Cycle / M. A. Malik

CHEMICAL PROCESSING

73 The Assay of Uranium and Plutonium in Reprocessing Input Solutions by Isotope Dilution Mass Spectrometry: Results of the Isotope Dilution Analysis Measurement Evaluation Programs / Wolfgang Beyrich, Werner Golly, Gert Spannagel, Paul De Bièvre, Werner H. Wolters, Willy Lycke

NUCLEAR FUELS

82 Behavior of Breached Pressurized Water Reactor Spent-Fuel Rods in an Air Atmosphere Between 250 and 360°C / Robert E. Einziger, Robert V. Strain

RADIOACTIVE WASTE MANAGEMENT

96 A Study of Mineral Zeolite as a Nitrogen Oxides Adsorbent for Dissolver Off-Gas Treatment / Hiromichi Fumoto, Shigekazu Sato, Wataru Ito, Takaaki Tamura, Nobuya Yoshiki, Yasutoshi Kobayashi

(Continued)

ON THIS COVER

This month's cover is taken from a figure in the paper by H. Khan and G. Kosaly and shows the subchannel geometry of a one-sixth section of a seven-rod bundle used for void fraction measurements.

CONTENTS / OCTOBER 1986-VOL. 75, NO. 1

(Continued)

TECHNICAL NOTES

FISSION REACTORS

109 A Driving Device for Activated Wire for Reactor Flux Mapping / Cheng-Hsin Mao, Pao-Shan Weng

NUCLEAR SAFETY

113 Sensitivity of Pressurized Water Reactor Source Term Inventory and Decay Power to Core Management Parameters / John K. Wheeler, Alexander Sesonske

DEPARTMENTS

- 1 Authors
- 116 Book Review