

CONTENTS / JANUARY 1986-VOL. 72, NO. 1

TECHNICAL PAPERS

FISSION REACTORS

- 7 A Dynamic Model for Predicting CANDU Pressurizer Performance / Samir M. Sami
- 24 Some Transient Characteristics of PIUS / Yoshiro Asahi, Hiroaki Wakabayashi

NUCLEAR SAFETY

- 34 Analytical Simulation of Boiling Water Reactor Pressure Suppression Pool Swell / Stanley K. Widener
- 39 Iodine-131 Species in the Stack Exhaust Air of Light Water Reactors / H. Deuber
- 44 Investigations on the Retention of Elemental Radioiodine by Activated Carbons at High Temperatures / H. Deuber
- 49 Interpretation of Conductivity-Sensitive Liquid-Level Transducer Signals in a Small Break Loss-of-Coolant Accident Test Facility / Yassin A. Hassan

NUCLEAR FUELS

- 59 Development and Fabrication of 70% PuC-30% UC Fuel for the Fast Breeder Test Reactor in India / Chaitanyamoy Ganguly, Parameshwar Venkappa Hegde, Gyan Chand Jain, Uddharan Basak, Radhey Shyam Mehrotra, Sukomal Majumdar, Pradip Ranjan Roy
- 70 A New Gaseous Gap Conductance Relationship / David A. Wesley, M. Michael Yovanovich

RADIOACTIVE WASTE MANAGEMENT

- 75 A Bounding Assessment Method for Correlating Measured Gas Leaks to the Possible Loss of Particulate Contents from Radioactive Materials Packages / John A. Andersen
- 84 Volatilization of Cesium from Nuclear Waste Glass in a Canister / Hiroshi Kamizono, Shizuo Kikkawa, Shingo Tashiro, Haruto Nakamura

(Continued)

CONTENTS / JANUARY 1986-VOL. 72, NO. 1

(Continued)

89 Disposal of High-Level Radioactive Waste in Argillaceous Formations: In Situ and Laboratory Heating Experiments / Emilio Tassoni, Ferruccio Gera

RADIOISOTOPES AND ISOTOPES

99 Derivative Method for Edge Enhancement in Radiographic Testing / Dov Ingman, Amos Notea

HEAT TRANSFER AND FLUID FLOW

105 On the Friction Factor for Fully Developed Turbulent Sodium Flow in Small Smooth Tubes / Naozo Hattori, Kenji Hayashi

DEPARTMENT

1 Authors