

## **CONTENTS / JULY 1988-VOL. 82, NO. 1**

## **TECHNICAL PAPERS**

#### **FISSION REACTORS**

5 A Movable Boundary Model for Once-Through Steam Generator Analysis / Constantine P. Tzanos

#### **NUCLEAR SAFETY**

- 21 Turbine Missiles Assessment / Truong V. Vo
- 36 The Intercomparison of Aerosol Codes / Ian H. Dunbar, Jean Fermandjian, Jean Gauvain

#### **CHEMICAL PROCESSING**

52 A Thermodynamic Model of Nitric Acid Extraction by Tri-n-Butyl Phosphate / David J. Chaiko, George F. Vandegrift

#### **RADIOACTIVE WASTE MANAGEMENT**

- 60 Gas Migration from Low-Level Radioactive Waste Repositories in Hard Rocks / Carol Braester, Roger Thunvik
- 71 Model Calculations of the Thermomechanical Effects in the Near Field of a High-Level Radioactive Waste Repository / Alexandra Pudewills, Ekkehard Korthaus, Rainer H. Köster

#### RADIOISOTOPES AND ISOTOPE SEPARATION

81 Pilot Testing of Radioluminescent Lights for Remote Airfields / George A. Jensen, R. F. Hazelton, R. G. Moles

#### **HEAT TRANSFER AND FLUID FLOW**

94 A Comparison of Two Efficient Nonlinear Heat Conduction Methodologies Using a Two-Dimensional Time-Dependent Benchmark Problem / Gary L. Wilson, Roger A. Rydin, Seppo Orivuori

### (Continued)

# **CONTENTS / JULY 1988-VOL. 82, NO. 1**

#### (Continued)

## **TECHNICAL NOTE**

## **RADIOACTIVE WASTE MANAGEMENT**

106 Radiation Dose Impacts Resulting from Variations in the Transportation-Related Activities in a System for Management of Spent Nuclear Fuel / Kenneth J. Schneider, Peter J. Pelto, Jay C. Lavender, Philip M. Daling, Barbara A. Fecht

## **DEPARTMENTS**

- 1 Authors
- 114 Book Review