

TECHNICAL PAPERS

REACTORS

- 5 The Unavailability of Systems Under Periodic Test and Maintenance / *G. Apostolakis, T. L. Chu*

FUELS

- 16 Gas Tag Identification of Failed Reactor Assemblies—IV. Analysis Methods / *J. A. Figg, N. J. McCormick, R. E. Schenter, F. Schmittroth*
- 25 Irradiation Performance of Metallic Driver Fuel in Experimental Breeder Reactor II to High Burnup / *Robert E. Einziger, Bobby R. Seidel*
- 40 Turbulent Flow Split Model and Supporting Experiments for Wire-Wrapped Core Assemblies / *Chong Chiu, Neil E. Todreas, Warren M. Rohsenow*
- 53 Emanation Thermal Analysis—Results from Characterizing Intermediate Steps and Intermediate Products for Urania Spheres / *Vladimír Balek, Miroslav Vobořil, Václav Baran*
- 60 A Comparative Study of Tritium Breeding Performance of Lithium, Li_2O , and Li_7Pb_2 Blankets in a Tokamak Power Reactor / *Jungchung Jung*
- 83 Suivi de Rupture de Gaine du Combustible Caramel: Experience CARINE / *J. Gilbert, R. Marfaing, H. Vidal*

NUCLEAR EXPLOSIVES

- 88 The Effect of the Spontaneous Fission of Plutonium-240 on the Energy Release in a Nuclear Explosive / *Sümer Şahin, Jacques Ligou*

TECHNIQUES

- 95 Use of Fuel Thermocouple Transient Response for Data Verification and Fuel Rod Modeling / *Donald D. Lanning, Bruce O. Barnes, W. A. Scheffler*

DEPARTMENTS

- 1 Authors
- 108 Letters to the Editor
- 111 Book Reviews

ON THIS COVER

This month's cover is taken from a figure in the paper by J. A. Figg et al., and is a graph showing gas tag ratios with a background gas concentration.