

TECHNICAL PAPERS

REACTORS

- 333** The Effect of Liquid-Metal Protection Schemes in Inertial Confinement Fusion Reactors / *Halil I. Avci, Gerald L. Kulcinski*
- 346** Convective Helium Cooling of Grids in Continuously Operated Neutral Beam Injectors / *M. A. Hoffman*
- 357** Accident Progression for a Loss-of-Heat-Sink with Scram in a Liquid-Metal Fast Breeder Reactor / *R. A. Bari, H. Ludewig, W. T. Pratt, Y. H. Sun*
- 381** Performance Parameters for Fusion-Fission Power Systems / *D. J. Bender*

REACTOR SITING

- 390** Effect of Fluid-to-Structure Heat Transfer on the Structural Damage Potential to a Liquid-Metal Fast Breeder Reactor / *S. J. Hakim, P. B. Abramson*
- 401** An Evaluation of the Thermal-Hydraulic and Fuel Rod Thermal and Mechanical Deformation Behavior During the First Power Burst Facility Nuclear Blowdown Tests / *Philip E. MacDonald, James M. Broughton, Jay W. Spore*
- 411** The Physical State of Post-Loss-of-Coolant Accident Containment Atmospheres / *Kazys K. Almenas, Joseph M. Marchello*

FUEL CYCLES

- 429** Optimal Linear Combinations of Accounting Data for the Detection of Non-constant Losses / *Hans H. Frick*

FUELS

- 433** Fabrication of Grid-Spaced Bundle for the F-5 (X317) Irradiation Experiment / *J. R. Lindgren, P. W. Flynn, L. C. Foster*
- 445** ELESIM: A Computer Code for Predicting the Performance of Nuclear Fuel Elements / *M. J. F. Notley*

(Continued)

ON THIS COVER

This month's cover shows the insertion of a ribbed rod into an F-5 grid-spaced bundle skeleton, taken from the paper by J. R. Lindgren et al., courtesy of General Atomic Company.

CONTENTS / AUGUST 1979—VOL. 44, NO. 3

(Continued)

DEPARTMENTS

- 329 Authors
- 451 Letter to the Editor
- 453 Volume 44 Indexes
- v Volume 44 Contents