

Fusion technology

CONTENTS / JANUARY 1998—VOL. 33, NO. 1

TECHNICAL PAPERS

- 1 The Spherical Tokamak Path to Fusion Power / *Ronald D. Stambaugh, Vincent S. Chan, Robert L. Miller, Michael J. Schaffer*
- 22 Model for Inertialess Magnetohydrodynamic Flow in Packed Beds / *Jon D. McWhirter, Michael E. Crawford, Dale E. Klein, Thomas L. Sanders*
- 31 The Effective Thermal Conductivity of a Bed of 1.2-mm-diam Lithium Zirconate Spheres in Helium / *John W. Earnshaw, Frank A. Londry, Paul J. Gierszewski*
- 38 On the Behavior of the Pd/D System: Evidence for Tritium Production / *Stanislaw Szpak, Pamela A. Mosier-Boss, Roger D. Boss, Jerry J. Smith*
- 52 Anomalous Phenomenon in Solids Described by the TNCF Model / *Hideo Kozima, Kaori Kaki, Masayuki Ohta*
- 63 A Hydrogen Problem in Fusion Material Technology / *Peter Jung*
- 68 The Influence of the Concentration of Nonmetals in Lithium on Reactions with the Alloy V-1 Si-3 Ti / *Hans U. Borgstedt, Jürgen Konys*
- 74 Neutral Atom Modeling of the TFTR First Wall, Pump Ducts, and Neutral Beams / *Lisa A. Haynes, J. P. Kelly, David N. Ruzic, Dennis Mueller, J. Kamperschroer*
- 84 On-Line Confinement Regime Identification for the Discharge Control System at ASDEX Upgrade / *Peter Franzen, Michael Kaufmann, Vitus F. Mertens, Gregor Neu, Gerhard Raupp, Thomas Zehetbauer, The ASDEX Upgrade Team, The NI Team*