CONTENTS

TECHNICAL PAPERS

253 Three-Dimensional Neutron Streaming Calculations Using the Monte Carlo Coupling Technique
   K. Ueki

265 Gold Neutron Capture Cross Section from 100 to 2000 keV
   R. L. Macklin

269 An Accurate Numerical Method to Solve the Linear Fokker-Planck Equation Characterizing Charged Particle Transport in Spherical Plasmas
   T. M. Tran, J. Ligou

278 The Effects on Reactivity Coefficients of Spectral Shifts Induced by Doppler Broadening
   A. Alapour, R. A. Karam

TECHNICAL NOTES

299 On the Inventory Dynamics of Batch-Fueled Fusion-Fission Systems
   T. A. Parish

308 Neutron Penetrations Through Thick Sodium
   Yoshiaki Oka, Shigehiro An, Hiroyuki Hashikura, Shun-ichi Miyasaka, Kinji Koyama

315 Pulse-Height Weighting Technique Applied to Fast Neutron Capture Cross-Section Measurements Using Sodium Iodide
   S. Joly

BOOK REVIEWS

321 The Pursuit of Simplicity, Edward Teller
   W. Bennett Lewis

322 Atomic and Molecular Processes in Controlled Thermo-nuclear Fusion, M. R. C. McDowell and A. M. Ferendeci
   Alfred S. Schlachter

323 Nuclear Chemistry Theory and Applications, G. R. Choppin and J. Rydberg
   Glen E. Gordon

   Chang-Lin Tien

(Continued)
LETTERS TO THE EDITOR

326  On Taylor Series Expansions with Generalized Perturbation Methods  
     Vincent A. Perone,  
     John M. Kalfelz,  
     Lotfi A. Belblidia

327  Response to “On the Taylor Series Expansion with Generalized Perturbation Methods”  
     Augusto Gandini

328  ANNOUNCEMENT OF CURRENT PUBLICATIONS