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ELECTRON NUCLEAR DYNAMICSAPPLYING DIRECT MOLECULAR DYNAMICS TO NON-ADIABATIC SYSTEMS; CONICAL INTERSECTIONS IN MOLECULAR PHOTOCHEMISTRY: THE PHASE-CHANGE APPROACH; THE CRUDE BORN-OPPENHEIMER ADIABATIC APPROXIMATION OF MOLECULAR POTENTIAL ENERGIES; CONICAL INTERSECTIONS AND THE SPIN-ORBIT INTERACTION; RENNER-TELLER EFFECT AND SPIN-ORBIT COUPLING IN TRIATOMIC AND TETRAATOMIC MOLECULES; PERMUTATIONAL SYMMETRY AND THE ROLE OF NUCLEAR SPIN IN THE VIBRATIONAL SPECTRA OF MOLECULES IN DOUBLY DEGENERATE ELECTRONIC STATES: THE TRIMERS OF (2)S ATOMS; AUTHOR INDEX; SUBJECT INDEX

Sommario/riassunto

Edited by Nobel Prize-winner Ilya Prigogine and renowned authority Stuart A. Rice, the Advances in Chemical Physics series provides a forum for critical, authoritative evaluations in every area of the discipline. In a format that encourages the expression of individual points of view, experts in the field present comprehensive analyses of subjects of interest. This stand-alone, special topics volume, edited by Gert D. Billing of the University of Copenhagen and Michael Baer of the Soreq Nuclear Research Center in Yavne, Israel, reports recent advances on the role of degenerate states in che
