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KINETICS: MODELS FOR MEDIUM REORGANIZATION AND DONOR-ACCEPTOR COUPLING
THEORIES OF STRUCTURE-FUNCTION RELATIONSHIPS FOR BRIDGE-MEDIATED ELECTRON TRANSFER REACTIONS
FLUCTUATIONS AND COHERENCE IN LONG-RANGE AND MULTICENTER ELECTRON TRANSFER;
LANCZOS ALGORITHM FOR ELECTRON TRANSFER RATES IN SOLVENTS WITH COMPLEX SPECTRAL DENSITIES;
SPECTROSCOPIC DETERMINATION OF ELECTRON TRANSFER BARRIERS AND RATE CONSTANTS;
PHOTOINDUCED ELECTRON TRANSFER WITHIN DONOR-SPACER-ACCEPTOR MOLECULAR ASSEMBLIES STUDIED BY TIME-RESOLVED MICROWAVE CONDUCTIVITY;
FROM CLOSE CONTACT TO LONG-RANGE INTRAMOLECULAR ELECTRON TRANSFER;
PHOTOINDUCED ELECTRON TRANSFERS THROUGH σ BONDS IN SOLUTION
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Sommario/riassunto

an integrated approach to electron transfer phenomena
This two-part stand-alone volume in the prestigious Advances in Chemical Physics series provides the most comprehensive overview of electron transfer science today. It draws on cutting-edge research from diverse areas of chemistry, physics, and biology—covering the most recent developments in the field, and pointing to important future trends. This initial volume includes:
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