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Electron Exchange; Quantum-Mechanical Treatment; Comparison of Observed and Calculated Parameters for Electron Exchange; Electron Transfer Accompanied by a Net Chemical Change; Semiclassical Treatment; Cross Reactions and Electron-Exchange Rates  
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Conclusions; General Reactivity Patterns in Electron Transfer; The Inner-Shell Reorganization Energy; Exchange Rates of Aquo Ions; Variations with Ligand: The Outer-Shell Reorganization Energy; Electronic Factors: Nonadiabaticity; Free-Energy Relations; Inner-Sphere Versus Outer-Sphere Electron Transfer; Rate Saturation in Electron Transfer; Specific Reactivity Patterns in Electron-Transfer Reactions; Variation with the Reductant; One-Electron Reductants; Two-Electron Reductants; Variation with the Oxidant; One-Electron Oxidants; Multiple-Electron Oxidants  
Oxidation and Reduction of Coordinated Ligands  
Catalysis in Electron-Transfer Reactions; Catalyzed Electron Transfer; Catalyzed Ligand Substitution; Induced Electron-Transfer Reactions; Photoinduced Electron-Transfer Reactions; Electrochemical Reactions; Introduction; The Electrode Process; Reversibility; Electrochemical Reversibility; Chemical Reversibility; Complex Electrode Mechanisms; Diagnostic Electrochemical Measurements; Voltammetric Methods; Direct-Current Polarography; Pulse-Polarographic Methods; Alternating-Current Polarography; Cyclic Voltammetry; Evaluation of Formal Potentials Involving Stable Reactants and Products. Involving Unstable Electrode Products.; Involving Reactants Undergoing Multiple- Electrode Reactions.; Chemical Reactions Accompanying Electrode Reactions; Reactions Preceding Electron Transfer (CE); Slow-Reaction ( $1 \gg a$ ) Limit; Intermediate-Reaction Kinetics; Reactions Following Electron Transfer (EC); Giving Electroinactive Products.; Giving Electroactive Products (ECE).; Other Coupled Chemical Reactions; Electrochemical Synthesis; by Controlled-Potential Electrolysis.; Involving Bulk Preparations.;  
Conclusions  
Thermodynamics of Simple Electrochemical Reactions

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