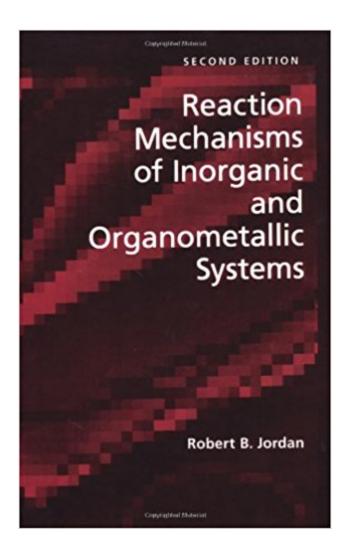


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Reaction Mechanisms Of Inorganic And Organometallic Systems (Topics In Inorganic Chemistry)





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Ideal for one semester courses at the advanced undergraduate or graduate level, the second edition of Reaction Mechanisms of Inorganic and Organometallic Systems helps students develop both an appreciation of and skepticism about mechanistic studies. This new edition simplifies the first two chapters, which concentrate on the real world of collecting and interpreting kinetic data, to make them easily understandable to students with minimal exposure to the basics of kinetics. Subsequent chapters cover ligand substitution mechanisms, stereochemical change and fluxional processes, mechanisms of organometallic reactions, electron transfer reactions, inorganic and organometallic photochemistry, selected bioinorganic systems, and experimental methods. The second edition adds sections on the numerical solution of differential equations; the isomerization of square planar systems; the aqueous and bioinorganic chemistry of nitric oxide; and a new chapter on experimental methods. Reaction Mechanisms of Inorganic and Organometallic Systems also offers unique coverage of several topics, including extensive information on solvent exchange reactions; mechanistic interpretation of activation volumes; application of orbital symmetry rules to fluxional organometallic systems; C-H bond activation mechanisms; intervalence electron transfer and its relationship to bridged electron transfer; and flash photolysis applications in photochemistry. The text includes over 900 references to original literature (updated through 1996) and provides sample problems for each chapter.

Book Information

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Robert B. Jordan is at University of Alberta.

Good book

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