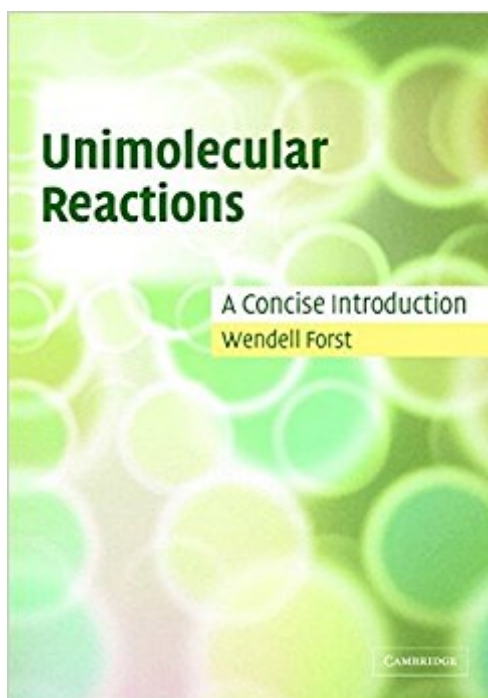


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Unimolecular Reactions: A Concise Introduction



Synopsis

This textbook covers the basics necessary for understanding the statistical theory of unimolecular reactions in its original and variational, phase-space and angular momentum-conserved incarnations. Because the emphasis is on "why" rather than "how to", there are many problems and answers to explore further. The book is targeted at graduate and advanced undergraduate students studying chemical dynamics, chemical kinetics and theoretical chemistry.

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The statistical theory of unimolecular reactions is now universally known as RRKM theory. This textbook covers the basics necessary for the understanding of RRKM theory in its original and variational, phase-space and angular momentum-conserved incarnations. The emphasis is on 'why' rather than 'how to', for which purpose there are numerous problems and answers to help probe the ramifications of the main text. The book is targeted at graduate and advanced undergraduate students studying chemical dynamics, chemical kinetics and theoretical chemistry.

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