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Nota di contenuto	Introduction; Preface; CONTENTS; 1. Doppler-Selected Time-of-Flight Technique: A Versatile Three-Dimensional Velocity Mapping Approach Shih-Huang Lee and Kopin Liu; 2. The Effect of Reactive Resonance on Collision Observables Sheng Der Chao and Rex T. Skodje; 3. State-to-State Dynamics of Elementary Chemical Reactions Using Rydberg H-Atom Translational Spectroscopy Xueming Yang; 4. Multimass Ion Imaging - A New Experimental Method and Its Application in the Photodissociation of Small Aromatic Molecules Cheng-Liang Huang, Yuan T. Lee and Chi-Kung Ni 5. Reactions of Neutral Transition Metal Atoms with Small Molecules in the Gas Phase Jonathan J. Schroden and H. Floyd Davis 6. Photodissociation Dynamics of Ozone in the Hartley Band Paul L. Houston; 7. Crossed Molecular Beam Reactive Scattering: Towards Universal Product Detection by Soft Electron-Impact Ionization Piergiorgio Casavecchia, Giovanni Capozza and Enrico Segoloni; 8. Interactions of Vibrationally-Excited Molecules at Surfaces: A Probe for Electronically Nonadiabatic Effects in Heterogeneous Chemistry Alec M. Wodtke 9. First Principles Quantum Dynamical Study of Four-Atom Reactions Dong H. Zhang, Minghui Yang, Soo-Y. Lee and Michael A. Collins 10. Photodissociation Dynamics of Free Radicals Jingsong Zhang; Index

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## Sommario/riassunto

The field of chemical reaction dynamics has made tremendous progress during the last decade or so. This is due largely to the development of many new, state-of-the-art experimental and theoretical techniques during that period. It is beneficial to present these advances, both theoretical and experimental, in a review volume (Parts I and II).

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