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Autore	PRISELKOV, Michail Dmitrievi
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Autore	Brach R. Michael
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Nota di bibliografia	Includes bibliographical references (page 557) and index.
Nota di contenuto	Chapter 1. Uncertainty and sensitivity in measurements and calculations in accident reconstruction -- Chapter 2. Tire forces -- Chapter 3. Straight-line motion -- Chapter 4. Critical speed from tire yaw marks -- Chapter 5. Reconstruction of vehicular rollover accidents -- Chapter 6. Analysis of collisions, impulse-momentum theory -- Chapter 7. Event data recorders and crash reconstruction -- Chapter 8. Reconstruction applications, impulse-momentum theory -- Chapter 9. Collisions of articulated vehicles, impulse-momentum theory -- Chapter 10. Crush energy and V --Chapter 11. Frontal vehicle-pedestrian collisions -- Chapter 12. Photogrammetry for accident reconstruction -- Chapter 13. Railroad grade crossing and road intersection conflicts -- Chapter 14. Vehicle dynamic simulation.
Sommario/riassunto	In this third edition of Vehicle Accident Analysis & Reconstruction Methods, Raymond M. Brach and R. Matthew Brach have expanded and updated their essential work for professionals in the field of accident reconstruction. Most accidents can be reconstructed effectively using of calculations and investigative and experimental data: the authors present the latest scientific, engineering, and mathematical reconstruction methods, providing a firm scientific foundation for practitioners. Accidents that cannot be reconstructed using the methods in this book are rare. In recent decades, the field of crash reconstruction has been transformed through the use of technology. The advent of event data records (EDRs) on vehicles signaled the era of modern crash reconstruction, which utilizes the same physical evidence that was previously available as well as electronic data that are measured/captured before, during, and after the collision. There is increased demand for more professional and accurate reconstruction as more crash data is available from vehicle sensors. The third edition of this essential work includes a new chapter on the use of EDRs as well as examples using EDR data in accident reconstruction. Early chapters feature foundational material that is necessary for the understanding of vehicle collisions and vehicle motion; later chapters present applications of the methods and include example reconstructions. As a result, Vehicle Accident Analysis & Reconstruction Methods remains the definitive resource in accident reconstruction.