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Nota di contenuto	Chapter 1: Introduction to automobile aerodynamics -- Chapter 2. The physical principles of aerodynamics -- Chapter 3. Consumption and performance -- Chapter 4. Aerodynamic forces and their influence on passenger vehicles -- Chapter 5. Aerodynamics and driving stability -- Chapter 6. Functionality, safety, and comfort -- Chapter 7. Cooling and internal flow -- Chapter 8. Aeroacoustics -- Chapter 9. High-performance vehicles -- Chapter 10. Commercial vehicles -- Chapter 11. Motorcycle aerodynamics -- Chapter 12. Helmets -- Chapter 13. Wind tunnels and measurement technique -- Chapter 14. Numerical methods.
Sommario/riassunto	The detailed presentation of fundamental aerodynamics principles that influence and improve vehicle design have made Aerodynamics of Road Vehicles the engineer's "source" for information. This fifth edition features updated and expanded information beyond that which was presented in previous releases. Completely new content covers lateral stability, safety and comfort, wind noise, high performance vehicles, helmets, engine cooling, and computational fluid dynamics. A proven, successful engineering design approach is presented that includes: Fundamentals of fluid mechanics related to vehicle aerodynamics;

Essential experimental results that are the ground rules of fluid mechanics; Design strategies for individual experimental results; General design solutions from combined experimental results. The aerodynamics of passenger cars, commercial vehicles, motorcycles, sports cars, and race cars is dealt with in detail, inclusive of systems, testing techniques, measuring and numerical aerodynamics methods and simulations that significantly contribute to vehicle development. Aerodynamics of Road Vehicles is an excellent reference tool and an indispensable source for the industry's vehicle engineers, designers, and researchers, as well as for enthusiasts, students, and those working in academia or government regulatory agencies.
