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Nota di contenuto	Chapter 1 Introduction Chapter 2 Data Analysis Software Requirements Chapter 3 The Basics Chapter 4 Straight-Line Acceleration Chapter 5 Braking Chapter 6 Gearing Chapter 7 Cornering Chapter 8 Understanding Tire Performance Chapter 9 Quantifying Roll Stiffness Distribution Chapter 10 Wheel Loads and Weight Transfer Chapter 11 Shock Absorbers Chapter 12 Suspension Analysis in the Frequency Domain Chapter 13 Aerodynamics Chapter 14 Analyzing the Driver Chapter 15 Simulation Tools Chapter 16 Using the Data Acquisition System for Race Strategy Chapter 17 Data Analysis Using Metrics Chapter 18 Track Data Chapter 19 Introduction to Measurement List of Symbols English Letters Greek Symbols.
Sommario/riassunto	This book, updated from the best-selling 2008 edition, contains techniques for analyzing data recorded by any vehicle's data acquisition

system. It details how to measure the performance of the vehicle and driver, what can be learned from it, and how this information can be used to advantage next time the vehicle hits the track. Such information is invaluable to racing engineers and managers, race teams, and racing data analysts in all motor sports. In addition to updates throughout, this new edition contains three new chapters: one on techniques for analyzing tire performance, one that provides an introduction to metric-driven analysis, a technique that is used throughout the book, and another that explains what kind of information the data contains about the track.