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Titolo	Performance Analysis in Game Sports: Concepts and Methods // by Martin Lames
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Descrizione fisica	1 online resource (272 pages)
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Livello bibliografico	Monografia
Nota di contenuto	Introduction. Basics: Roots of Performance Analysis -- Definitions and concepts -- Performance analysis in game sports. Observational systems: Assessment of behaviour -- Elements of observational systems -- Validation of observational accuracy -- Typical data analyses. Tracking systems: Functioning of different technologies -- Validation of accuracy -- Typical data analyses. Theoretical performance analysis: Stochastic approaches -- Dynamical systems approaches -- Advanced modelling. Practical performance analysis: Aims and problems -- Qualitative game analysis -- Integration of game analyses into training -- Game analysts in professional training systems. Outlook: Technological developments -- The future of training systems.
Sommario/riassunto	This book offers a comprehensive overview on the methods and concepts of theoretical and practical performance analysis. Observational systems for action detection and tracking systems for position detection are introduced, starting from basic methodological principles. The issue of reliability testing is addressed for both methods, and examples of successful applications are provided. The distinction between theoretical and practical performance as essential conceptual achievement is explained in two separate chapters. Most recent theoretical models of game sports are presented, including the

dynamical systems perspective, stochastic modelling, and contingency or chance as part of the game. The practical chapter introduces the concept of comprehensive performance analysis as appropriate background. It deals with qualitative methods used for assessing player and team performances, strategy development, and methods and principles of video tactic training for successful transfer of the results of analyses. The book will be of value to all with an interest in the dramatically increasing impact of performance analysis in game sports.
