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Descrizione fisica	1 online resource (XIII, 250 p. 152 illus., 74 illus. in color.)
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Soggetti	Signal processing Acoustics Pattern recognition systems Music Signal, Speech and Image Processing Automated Pattern Recognition
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Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	Introduction -- Music Information Retrieval -- Scales and Shruti Concept -- Tonic Detection and Shruti Analysis from Raga Performance -- Pitch Transition and Stability -- Raga Identification -- Gharana identification -- Production, Perception and Cognition -- Musical Instruments -- Concluding Remarks.
Sommario/riassunto	This book presents a comprehensive overview of the basics of Hindustani music and the associated signal analysis and technological developments. It begins with an in-depth introduction to musical signal analysis and its current applications, and then moves on to a detailed discussion of the features involved in understanding the musical meaning of the signal in the context of Hindustani music. The components consist of tones, shruti, scales, pitch duration and stability, raga, gharana and musical instruments. The book covers the various technological developments in this field, supplemented with a number of case studies and their analysis. The book offers new music researchers essential insights into the use of the automatic concept for finding and testing the musical features for their applications. Intended

primarily for postgraduate and PhD students working in the area of scientific research on Hindustani music, as well as other genres where the concepts are applicable, it is also a valuable resource for professionals and researchers in musical signal processing.