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Titolo	Signal Analysis of Hindustani Classical Music // by Asoke Kumar Datta, Sandeep Singh Solanki, Ranjan Sengupta, Soubhik Chakraborty, Kartik Mahto, Anirban Patranabis
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Edizione	[1st ed. 2017.]
Descrizione fisica	1 online resource (XIII, 250 p. 152 illus., 74 illus. in color.)
Collana	Signals and Communication Technology, , 1860-4862
Disciplina	781.754
Soggetti	Signal processing Image processing Speech processing systems Acoustics Pattern perception Music Signal, Image and Speech Processing Pattern Recognition
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
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.
