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Titolo	Introduction to digital signal processing [[electronic resource]] : computer musically speaking // Tae Hong Park
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Descrizione fisica	1 online resource (xx, 429 p.) : ill
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Acoustics, Hearing Limitations, and Sampling; Time-Domain Processes I; Time-Domain Processes II; Sine Waves; Linear-Time Invariant Systems; Frequency Response; Filters; Frequency-Domain I: Introduction to the Fourier Transform; Frequency-Domain II: Spectral Analysis and Synthesis.
Sommario/riassunto	Offers an introduction to digital signal processing (DSP), with an emphasis on digital audio and computer music. This book covers the mathematical foundations of DSP, important DSP theories including classic sound synthesis algorithms and effects as well as time- and frequency- domain analyses, and associated musical and sound examples.