

1. Record Nr.	UNINA9910816639503321
Autore	Park Tae Hong <1969->
Titolo	Introduction to digital signal processing : computer musically speaking // Tae Hong Park
Pubbl/distr/stampa	Hackensack, N.J., : World Scientific, c2010
ISBN	1-282-76020-3 9786612760204 981-279-028-4
Edizione	[1st ed.]
Descrizione fisica	1 online resource (xx, 429 p. ) : ill
Disciplina	621.3822
Soggetti	Signal processing - Digital techniques Computer sound processing Computer music
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
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.