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Titolo	All About Music : The Complete Ontology: Realities, Semiotics, Communication, and Embodiment / / by Guerino Mazzola, Maria Mannone, Yan Pang, Margaret O'Brien, Nathan Torunsky
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ISBN	3-319-47334-4
Edizione	[1st ed. 2016.]
Descrizione fisica	1 online resource (XIII, 191 p. 141 illus., 114 illus. in color.)
Collana	Computational Music Science, , 1868-0305
Disciplina	780.1
Soggetti	Application software Music Mathematics Computer science—Mathematics Artificial intelligence Computer Appl. in Arts and Humanities Mathematics in Music Mathematics of Computing Artificial Intelligence
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Introduction -- Physical Reality -- Psychological Reality -- Mental Reality -- Generalities about Signs, Neumes, Periods and Development Sentences -- De Saussure and Peirce, the Semiotic Architecture, Digital vs. Analog Music Encoding -- Riemannian Harmony and The HarmonRubette Software -- De Saussure's Six Dichotomies -- The Babushka Principle in Semiotics: Connotation, Motivation, Metatheory -- The Musical Case of Iterated Imbrication of Semiotic Components -- What Is Art? -- MIDI Code -- Global Music -- Gesture Theory in Music -- Frege's Prison of Functions -- Music Without Scores. Neuroscience and Gestures -- Mathematical Gesture Theory -- Creativity Theory.
Sommario/riassunto	This book explains music's comprehensive ontology, its way of existence and processing, as specified in its compact characterization: music embodies meaningful communication and mediates physically

between its emotional and mental layers. The book unfolds in a basic discourse in everyday language that is accessible to everybody who wants to understand what this topic is about. Musical ontology is delayed in its fundamental dimensions: its realities, its meaningful communication, and its embodied utterance from musical creators to an interested audience. The authors' approach is applicable to every musical genre and is scientific, the book is suitable for non-musicians and non-scientists alike.
