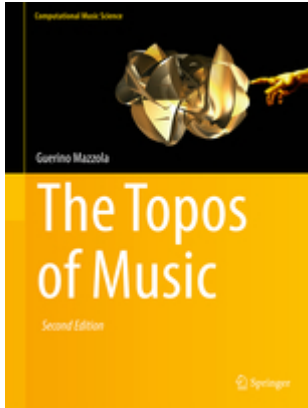


音楽における数学、ユーザーインターフェース、ヒューマン・コンピュータ・インタラクション、
芸術および人文科学におけるコンピュータの応用、演奏、創造性と教育



音楽のトポス・第2版(全4巻) The Topos of Music, 2nd Edition

(Series: Computational Music Science)

By G. Mazzola, University of Minnesota, Minneapolis, MN

2018年7月出版予定 全4巻/1580ページ ¥64,570

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This four-volume set is the second edition of the now classic book “The Topos of Music”. In Vol. I the author explains the theory's conceptual framework of denotators and forms, the classification of local and global musical objects, the mathematical models of harmony and counterpoint, and topologies for rhythm and motives. In Vol. II the author explains his theory of musical performance, developed in the language of differential geometry, introducing performance vector fields that generalize tempo and intonation. Volume III presents gesture theory, including a gesture philosophy for music, the mathematics of gestures, concept architectures and software for musical gesture theory, the multiverse perspective which reveals the relationship between gesture theory and the string theory in theoretical physics, and applications of gesture theory to a number of musical themes, including counterpoint, modulation theory, free jazz, Hindustani music, and vocal gestures. Finally, Vol. IV contains appendices, explaining background topics in sound, mathematics, and music.

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2018年出版 591ページ ハードカバー ISBN 9783319644790 ¥28,350

This is the third volume of the second edition of the now classic book "The Topos of Music". The authors present gesture theory, including a gesture philosophy for music, the mathematics of gestures, concept architectures and software for musical gesture theory, the multiverse perspective which reveals the relationship between gesture theory and the string theory in theoretical physics, and applications of gesture theory to a number of musical themes, including counterpoint, modulation theory, free jazz, Hindustani music, and vocal gestures.

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