

## A Geometry Of Music Harmony And Counterpoint In The Extended Common Practice Dmitri Tymoczko

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### A Geometry Of Music Harmony

"Tymoczko's A Geometry of Music is an appealingly written, substantial treatise on tonal harmony. The author introduces his original concepts with clarity and fearlessness. Musicologists, musicians, and listeners with an analytical bent will find plenty of ideas to chew on in this intriguing, rewarding book."

### A Geometry of Music: Harmony and Counterpoint in the ...

This a milestone in music theory and it constitutes an unification of many western practices in composition based in geometry. Tymoczko shows how orbifolds constitute appropriate musical spaces when each chord is mapped to a point in such space (two voice leading, for example, occurs more efficiently on certain regions of a Möbius band).

### A Geometry of Music: Harmony and Counterpoint in the ...

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### A Geometry of Music: Harmony and Counterpoint in the ...

A Geometry of Music: Harmony and Counterpoint in the Extended Common Practice Bridging scale theory and geometrical approaches to harmony: the voice-leading duality between complementary chords Transformations in Tonal Jazz: ii-V Space Modes in modern music from a topological viewpoint The Languages ...

### [PDF] A Geometry of Music: Harmony and Counterpoint in the ...

A Geometry of Music: Harmony and Counterpoint in the Extended Common Practice. This book identifies five basic musical features that jointly contribute to the sense of tonality, showing how they recur throughout the history of Western music. The goal is to create a new framework for thinking about music, one that emphasizes the commonalities ...

### A Geometry of Music: Harmony and Counterpoint in the ...

A Geometry of Music provides an accessible introduction to Tymoczko's revolutionary geometrical approach to music theory. The book shows how to construct simple diagrams representing relationships among familiar chords and scales, giving readers the tools to translate between the musical and visual realms and revealing surprising degrees of structure in otherwise hard-to-understand pieces.

### A Geometry of Music: Harmony and Counterpoint in the ...

The Geometry of Music: It is a simple fact that music is based on mathematics. Put simply, each note has its own vibration, and it is the frequency of the vibrations that distinguishes one note from another. The notes on each scale are separated from one another by simple mathematical proportions and our ear is able to recognise that.

### Harmony of the Spheres.

Harmony is often said to refer to the "vertical" aspect of music, as distinguished from melodic line, or the "horizontal" aspect. Counterpoint, which refers to the relationship between melodic lines, and polyphony, which refers to the simultaneous sounding of separate independent voices, are therefore sometimes distinguished from harmony.

### Harmony - Wikipedia

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### A Geometry of Music: Harmony and Counterpoint in the ...

In the process he sheds new light on an age-old question: what makes music sound good? A Geometry of Music provides an accessible introduction to Tymoczko's revolutionary geometrical approach to music theory. The book shows how to construct simple diagrams representing relationships among familiar chords and scales, giving readers the tools to translate between the musical and visual realms and revealing surprising degrees of structure in otherwise hard-to-understand pieces.

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Dmitri Tymoczko is a composer and music theorist who teaches at Princeton University. His 2006 article "The Geometry of Musical Chords" was the first music theory article published in the 127-year...

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A Geometry of Music provides an accessible introduction to a new, geometrical approach to music theory. The book shows how to construct simple diagrams representing voice-leading relationships among familiar chords and scales.

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