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

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## Sacred Geometry and the Perfect Harmonies

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Dr. Dmitri Tymoczko - The geometry of music *Quadrivium* by John Martineau et al. ~~We've Found The Magic Frequency (This Will Revolutionize Our Future) 5 Books Every Musician Should Read (Book Review) A Beginner's Guide to Four-Part Harmony - Music Theory Is Music Joy? 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."

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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...

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3 1/2 stars. The geometry disappears as the book turns more to analysis. Which I think speaks to the analytical utility of the geometry. It's good for composers, though, and I enjoyed the

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intelligent coverage of such a broad range of music.

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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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A Geometry of Music: Harmony and Counterpoint in the Extended Common Practice | Dmitri Tymoczko. 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 among styles from Medieval polyphony to contemporary ...

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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 among styles from Medieval polyphony to contemporary jazz.

A Geometry of Music: - [dmitri.TYMOCZKO.COM](http://dmitri.tymoczko.com)

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.

An octave of music is divided evenly into twelve semitones. Therefore, if you assign the twelve semitones of an octave of music to the twelve numbers on the clock, and draw a line from each number to each other number, you have a harmonisphere. The clock measures time clockwise forward and counterclockwise backward.

The Sacred Geometry Of Music - Harmonisphere

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 the relationships among familiar chords and scales.

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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,

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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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## A Geometry of Music

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Pythagoras applied geometry to music when he noticed how dividing a string in half would double its pitch. He created the Pythagorean scale based on harmonic fifths, which is now used as a root in modern music. But according to Rankin, Pythagoras' scale led him to stumble upon the number 432, maybe without knowing its synchronistic implications.

## These Harmonic Music Codes Are Produced By Sacred Geometry ...

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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Extended Common Practice, by Dmitri Tymoczko. Oxford  
University Press, Inc., 2011. [www.us.oup.com](http://www.us.oup.com); 480 pp.,  
\$39.95.

A Geometry of Music: Harmony and Counterpoint in the ...  
A Geometry of Music, figure 3.8.2 book. One such property is  
mentioned early on, since it seems to impinge upon a tonal  
"feature": nearly even dyads and trichords are the most  
acoustically consonant. In order to relate his chords to the  
structures of tonal harmony, Tymoczko supplements his  
model with informal concepts.

A Geometry of Music: Harmony and Counterpoint in the ...  
A Geometry of Music is accessible to a range of readers, from  
undergraduate music majors to scientists and mathematicians  
with an interest in music. Defining its terms along the way, it  
presupposes no special mathematical background and only a  
basic familiarity with Western music theory.

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