

Dmitri Tymoczko A Geometry Of Music Harmony And

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"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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Dmitri Tymoczko (b. 1969, Cambridge, Massachusetts) is a composer and music theorist who teaches at Princeton University. His book A Geometry of Music (Oxford) has been described as "a tour de force" (The Times Literary Supplement), a "monumental achievement" (Music Theory Online), and, potentially, a modern analogue to Schoenberg's Harmonielehre (The Musical Times).

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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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The Geometry of Musical Chords. Dmitri Tymoczko, *Science* 313: 72-74 (2006). Provides a geometrical model of musical structure, and uses this model to explain how harmony and counterpoint can be combined. The paper comes in two parts: The three-page summary, as it actually appeared in the magazine. (A link to a PDF is in the upper left.)

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In *A Geometry of Music*, Tymoczko proposes a general framework for thinking about tonality, arguing that there are five basic features that jointly contribute to the sense of tonality: conjunct melodic motion (melodies move by short distances) harmonic consistency (harmonies sound similar) acoustic consonance (harmonies sound pleasant)

[Dmitri Tymoczko - Wikipedia](#)

About Me. I am a composer and failed former philosopher who loves to think about how music works. On this site you can listen to my music, learn what I think makes music sound good, find links to writing both technical and non, download jazz transcriptions, and check out various pieces of software I have written.

[Dmitri Tymoczko](#)

A Geometry of Music Harmony and Counterpoint in the Extended Common Practice Dmitri Tymoczko Oxford Studies in Music Theory. User-friendly introduction to a radically new approach to music theory and tonality ; New interpretation of the history of Western music reveals surprising commonalities among different musical styles

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When considering the geometry of the title think college level math. But while the math was difficult - actually, I understood none of it - it did not matter. The five principles of the book are discussed thoroughly in other ways. Tymoczko's personal history is inspiring and is truly the basis of the book.

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

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[Dmitri Tymoczko | Princeton Department of Music](#)

About the Author: Dmitri Tymoczko is a composer and music theorist who teaches at Princeton University. His book *A Geometry of Music* is available from Oxford University Press, and his CD, *Beat Therapy* (which sounds like jazz/funk until you listen more carefully) is available from Bridge Records.

[Dmitri Tymoczko: Geometric Listening](#)

A musical chord can be represented as a point in a geometrical space called an orbifold. Line segments represent mappings from the notes of one chord to those of another. Composers in a wide range of styles have exploited the non-Euclidean geometry of these spaces, typically by using short line segments between structurally similar chords. Such line segments exist only when chords are nearly ...

[The Geometry of Musical Chords | Science](#)

Dmitri's writing has appeared in the *Atlantic Monthly*, *Boston Review*, *Civilization*, *Integral*, *Lingua Franca*, *Music Theory Online*, *Music Theory Spectrum*, and *Transition*. His 2006 article "The Geometry of Musical Chords" was the first music theory article published by *Science* in its 127-year history, and was discussed in *Time*, *Nature*, *The Washington Post*, *The Boston Globe*, *NPR*, *Physics Today*, and elsewhere.