

# Eikosany: Microtonal Algorithmic Composition with R

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# Algorithmic Composition

## Overview of Methods

- ▶ Markov chains
- ▶ Style transfer
- ▶ Rules-based
- ▶ Stochastic
  - ▶ Pioneered by Iannis Xenakis (Xenakis 1992)
  - ▶ This is my main focus - random walks on chord networks (Borasky 2021)

# Microtonal Music

## Current Outputs / Workflow

# Roadmap

## References

- Borasky, M. Edward (Ed). 2021. "When Harry Met Iannis."  
<https://algocompsynth.bandcamp.com/album/when-harry-met-iannis>.
- Xenakis, I. 1992. *Formalized Music: Thought and Mathematics in Composition*. Harmonologia Series. Pendragon Press.