

TEMPLE

MATH CLUB

The Mathematics of Musical Scales and Tuning Systems-
Evan Mallon

WHEN

September 12 2024
5-6 PM

WHERE

Wachman Hall 617

Why do some notes sound good together while others do not? Where do rhythms, scales, chords, and other musical objects come from? How does music theory connect to many different areas of mathematics? To answer these questions, we will use audio, visual, and historical perspectives to develop our intuition and introduce some basic ideas from number theory and group theory. From there, we will be able use the language of mathematics to concretely define concepts from music theory and uncover new lines of questioning and understanding in both domains.

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