Fugue in $D_{12}$ Minor - Equivalence classes of Scales and Chords in Even Tempered Tunings.

It is well known that $D_{12}$ acts on tones rows in 12 - tone even tempered tunings. This presentation will derive the generating polynomial for the number of nonequivalent scales of $k$ - tones acted on by $D_n$ and the nonequivalent symmetric scales (the nonequivalent inscriptions on a regular $n$ - gon). (Received September 28, 2005)