

1014-Z1-1405 **Michael R. Bacon*** (mrbacon@uscsumter.edu), Div. of Science, Mathematics, and Engineering,
USC Sumter, 200 Miller Road, Sumter, SC 29150. *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)