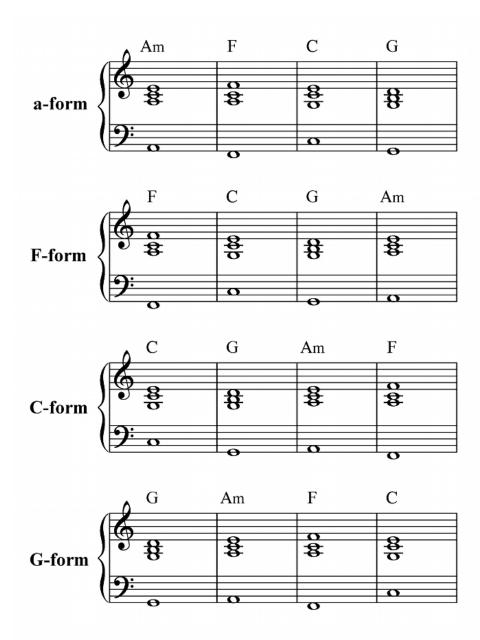


MTO 23.3 Examples: Richards, Tonal Ambiguity in Popular Music's Axis Progressions

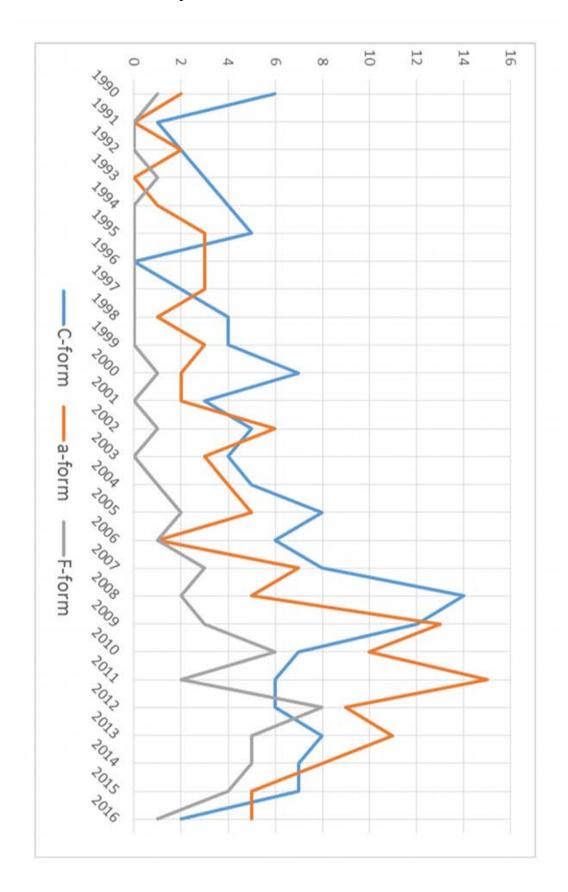
(Note: audio, video, and other interactive examples are only available online) http://www.mtosmt.org/issues/mto.17.23.3/mto.17.23.3.richards.php



Example 2a. Overall Frequencies of Songs with the C-form, a-form, F-form, or G-form of Axis Progressions in the Billboard Year-End Hot 100 Corpus, 1990–2016

Axis Progression	# of Songs in Corpus	% Frequency (of 2715 songs)
C-form	146	5.4
a-form	129	4.8
F-form	47	1.7
G-form	10	0.4

Example 2b. Annual Frequencies of Songs with the C-form, a-form, and F-form of Axis Progressions in the Billboard Year-End Hot 100 Corpus, 1990–2016



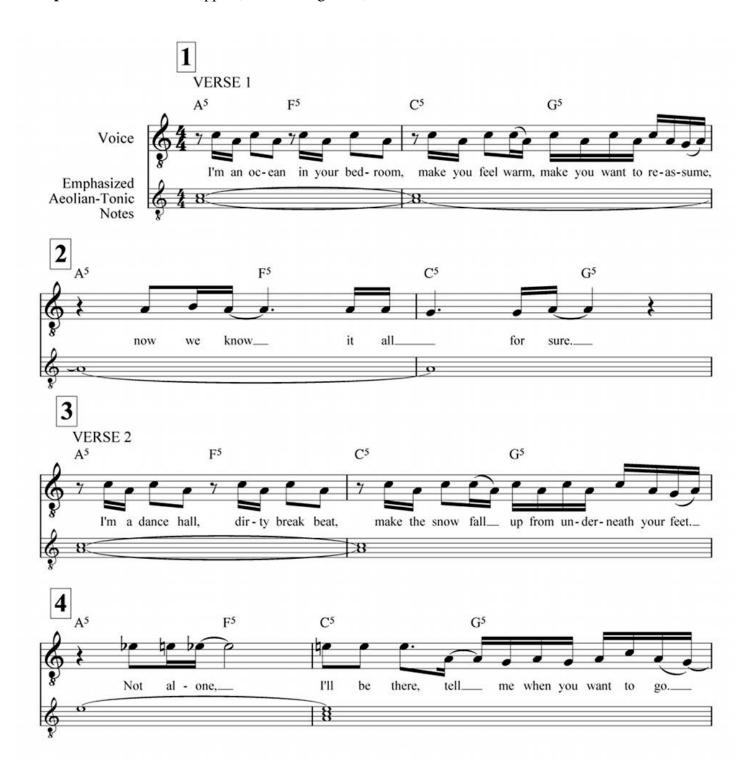
Example 3. Doll's Types of Information for Determining Tonal Center and Function

From Doll 2017 1. Schema	
2. Meter	(stresses in meter or hypermeter)
3. Phrasing	(first and last positions in a phrase)
4. Repetition	(of chords or notes)
Texture	(highest/lowest notes, title-carrying lyrics)
6. Scale	
7. Duration	
8. Pedal	
Arpeggiation	
10. Penultima	(chord before an "anchor")
Loudness	
12. Parallel	(similar progressions in other parts of song or other songs)
Expression	(meaning of lyrics)

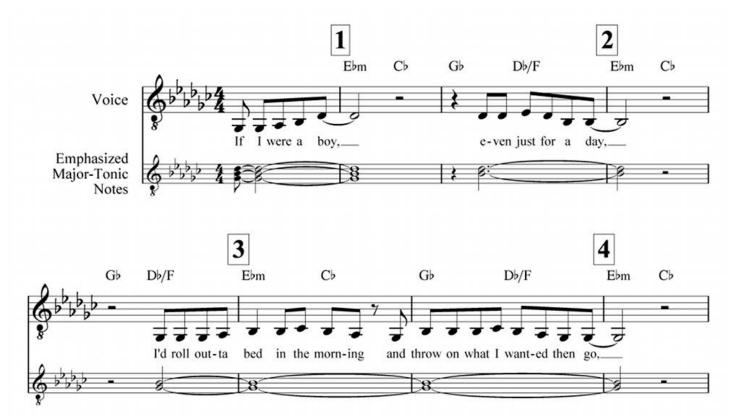
Example 4. Means of Emphasizing Potential Tonic-Triad Notes in Axis Progressions

Category	Characteristics
Harmonic Emphasis	 Arpeggiation Dissonance resolution (through contrapuntal melodic figures) Pedal point Melodic-harmonic divorce (with tonic-triad notes in melody)
Temporal Emphasis	 Beginning or end position in a vocal phrase, section, or song Stresses in meter, hypermeter, and grammar (in lyrics)
Rhetorical Emphasis	 Note repetition Long duration (relatively) Melodic high and low points Change in texture, timbre, or melodic style Loudness stress
Contextual Emphasis	 Tonality in other sections of the song Parallels between sections or between different songs The major-mode bias
Poetic Emphasis	Meaning of lyrics or other vocal utterances

Example 5. Red Hot Chili Peppers, "Don't Forget Me," Verses 1 and 2



Example 6. Beyoncé, "If I Were a Boy," Verse 1



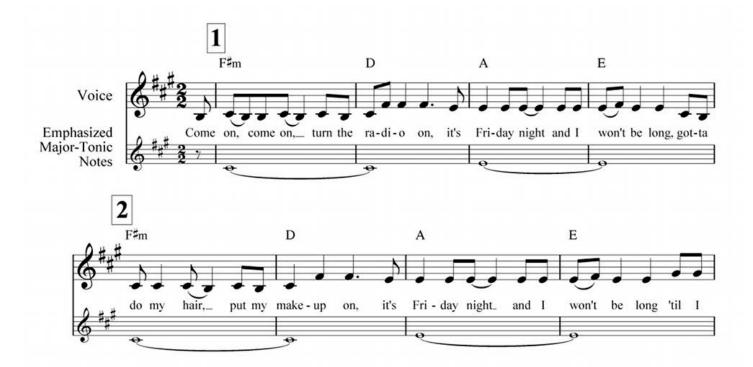
Example 7. A Great Big World, "Say Something," Verse 1



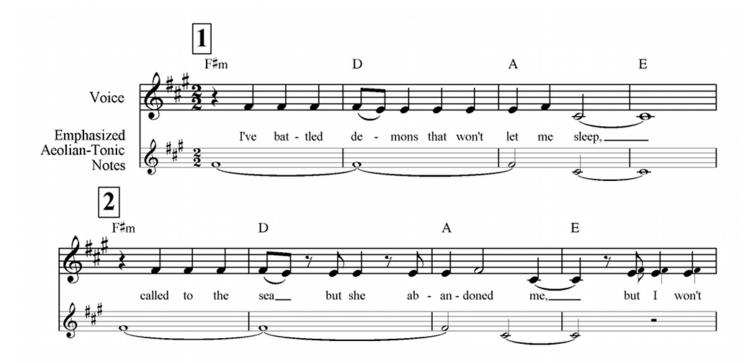
Example 8. The Offspring, "Self Esteem," Verse 1



Example 9. Sia, "Cheap Thrills," Verse 1



Example 10. Sia, "Never Give Up," Verse 1



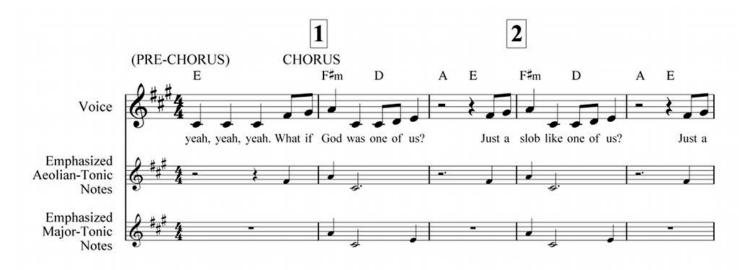
Example 11. Eminem featuring Rihanna, "Love the Way You Lie," Chorus



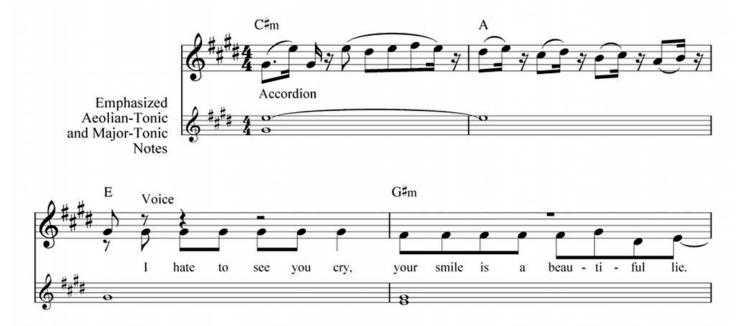
Example 12. Bruno Mars, "Grenade," End of Prechorus and Beginning of Chorus



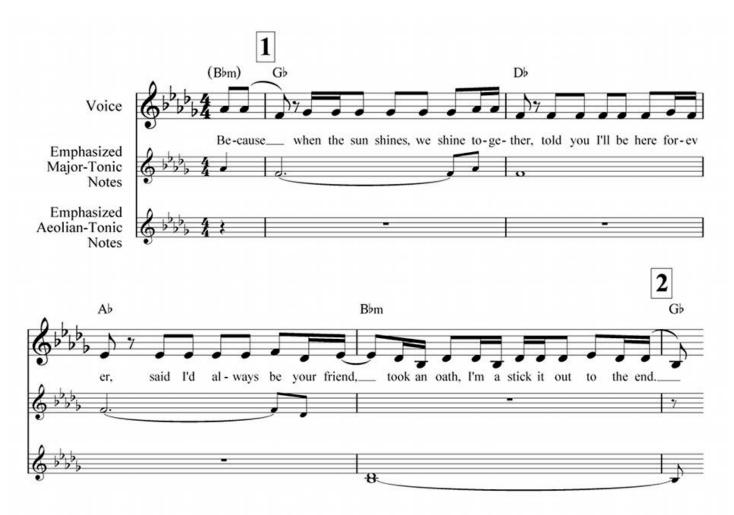
Example 13. Joan Osborne, "One of Us," End of Prechorus and Beginning of Chorus



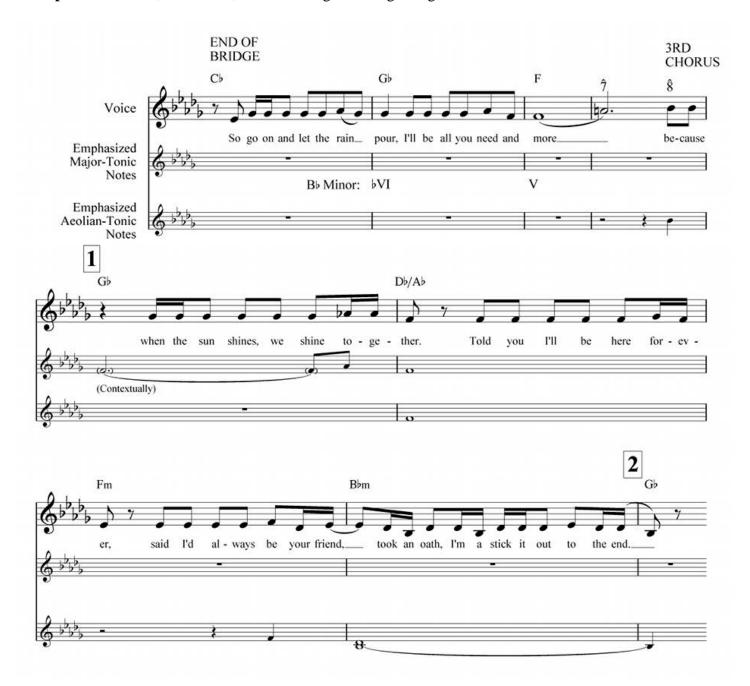
Example 14. Edward Maya and Vika Jigulina, "Stereo Love," Beginning of Chorus



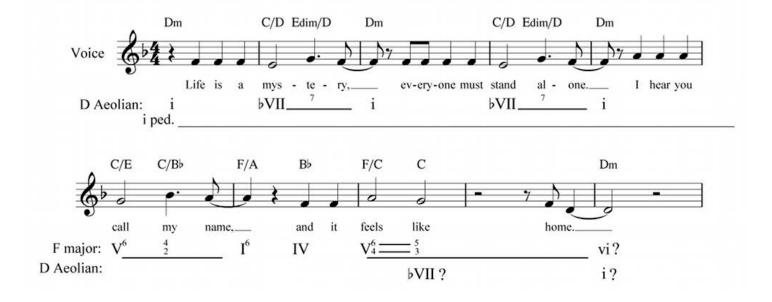
Example 15. Rihanna, "Umbrella," Beginning of First Chorus



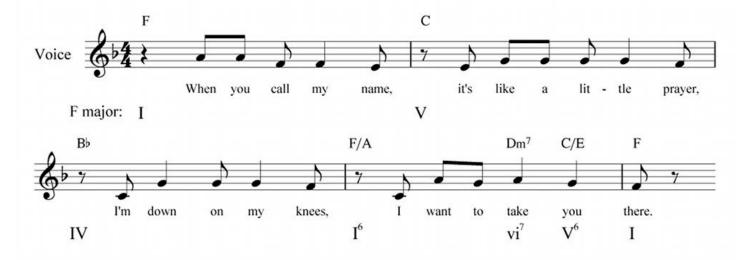
Example 16. Rihanna, "Umbrella," End of Bridge and Beginning of Third Chorus



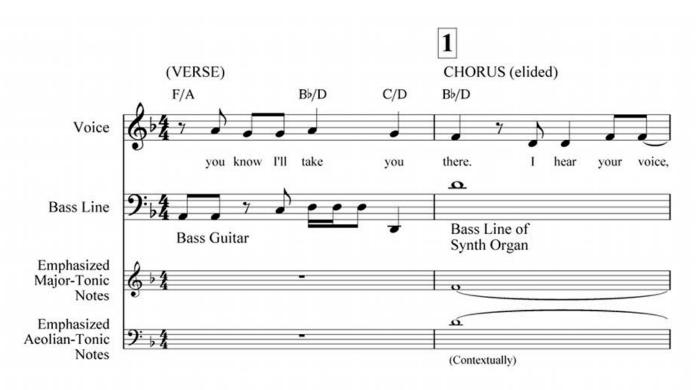
Example 17. Madonna, "Like a Prayer," Intro

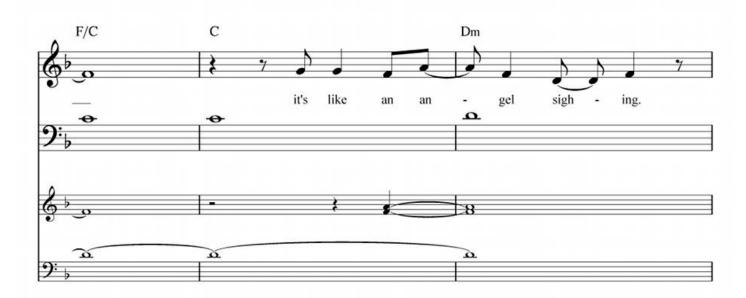


Example 18. Madonna, "Like a Prayer," First Chorus



Example 19. Madonna, "Like a Prayer," First Verse





Example 20. Sarah McLachlan, "Building a Mystery," Verse 1



Example 21. Sarah McLachlan, "Building a Mystery," Verse 2



Example 22. Sarah McLachlan, "Building a Mystery," Verse 3

