

# How Guitar (Hero) Performance Can Convey Harmonic and Formal Function in Pop-Rock

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Figure 1. A four-bar sentence with a cadential 6 4.



Figure 2. Voice-leading sketch of "Shape of You" by Ed Sheeran

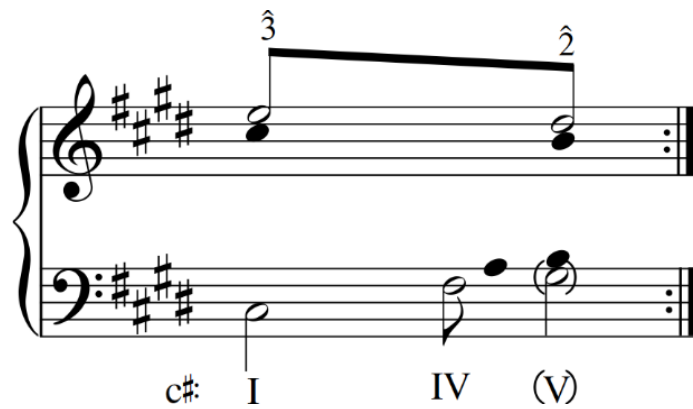


Figure 3. Functional gestures at a phrase boundary.



Figure 4. Guitar sets and root-motion tiered array.

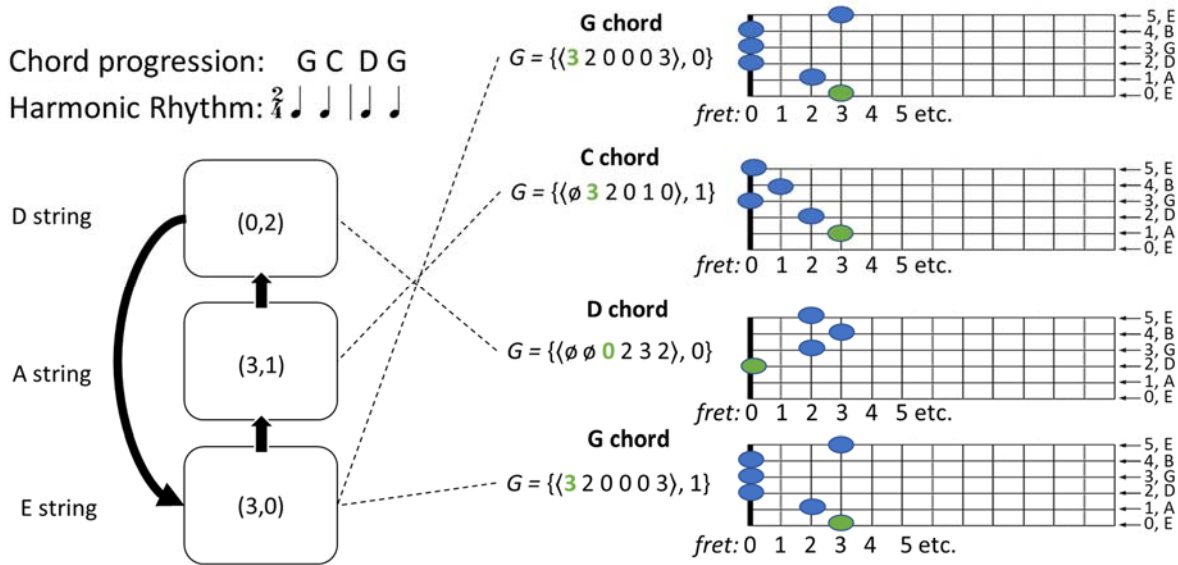


Figure 5. Root motion in competing chord voicings.

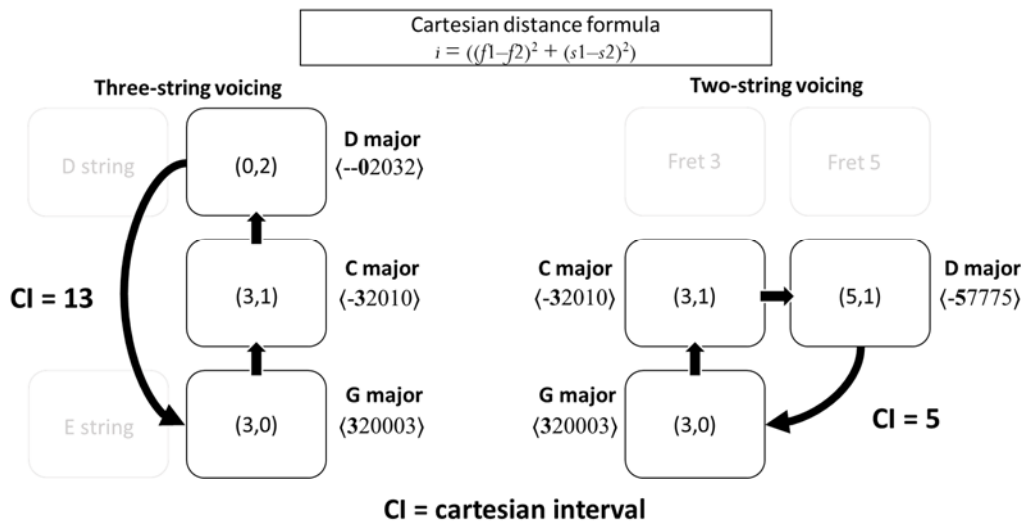


Figure 6. Cartesian intervals from C – represented pair: (Cartesian interval, pitch)

string	3, G	8, Ab	5, A	4, Bb	5, B	8, C
	2, D	5, Eb	2, E	1, F	2, F#	5, G
	1, A			0, C		
	0, E	5, F	2, F#	1, G	2, Ab	5, A
	-1, B	8, C	5, C#	4, D	5, Eb	8, E
		1	2	3	4	5
	fret					

Figure 7. Adjusting Cartesian Intervals based on performance practice.

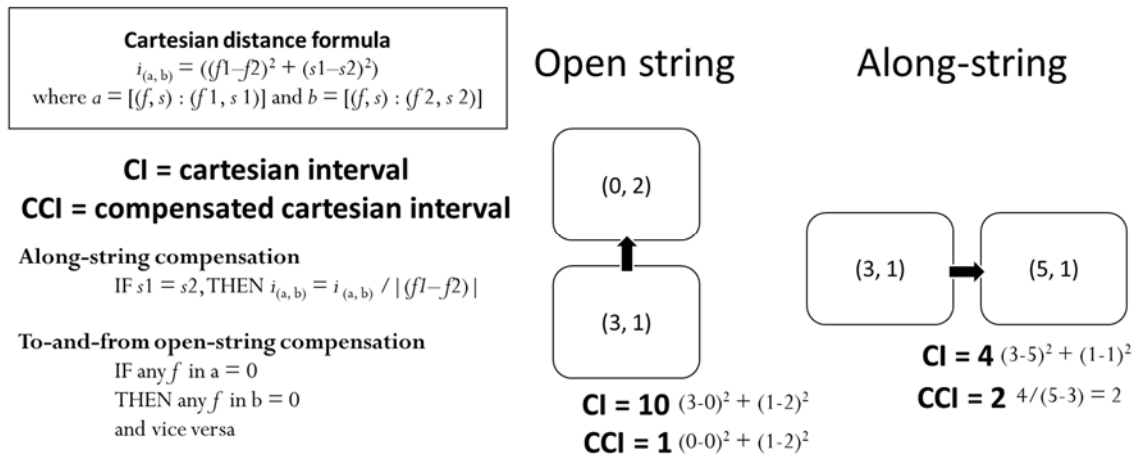


Figure 8. Functional categorization of adjusted Cartesian Intervals.

	Interval	Scale step	0	1	2	3	4	5	
	Steps	Skips	Leaps						
	Ascending	C	C#	F#	Bb	B	Ab	C	
	CI:	0	1	2	4	5	8		
	Descending	C	B	F#	D	C#	C		
			G	Ab	Bb	Eb	F	E	
						A			

Figure 9. "I Believe in a Thing Called Love," The Darkness, Introduction (mm. 1-4)

**Intro**

Reduction

f# Aeolian: F#      A      B      E      B      A      (E/G#)      A      E      F# -

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 (www.sheatheory.com/cart)  
 Password: idiomatic

**Figure 10.** Cartesian intervals at formal boundaries in “I Believe in a Thing Called Love.”

		<b>Note</b>	<b>G-set</b>	<b>Transposition</b>	<b>Comp CI</b>
Intro	start	F#	⟨244---⟩		
		C#	⟨-4----⟩		
	end	E	⟨0-----⟩		
Verse	start	F#	⟨244---⟩	2	2
	end	F#	⟨2-----⟩		
Bridge	start	E	⟨022---⟩	2	2
	end	B	⟨799---⟩		
Chorus	start	E	⟨0-----⟩	7	3
	end	D	⟨-577--⟩		
Verse	start	F#	⟨244---⟩	8	4

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