

MTO 23.3 Examples: Blättler, A Voicing-Based Model for Additive Harmony

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

Example 1. Reduction of the final cadence of Ravel, L'enfant et les sortilèges, R154-end

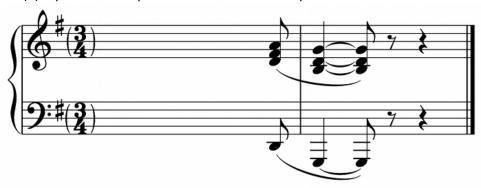


Example 2. Comparison of the impact of chord inversion upon an additive chord and upon a triad

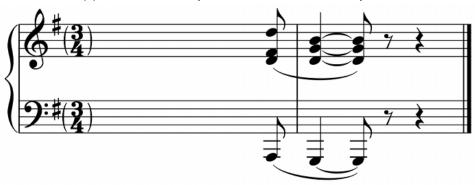
(a) inversion of the penultimate chord of Example 1



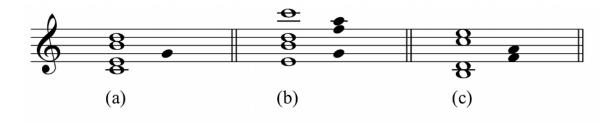
(b) replacement of penultimate chord of Example 1 with a dominant triad



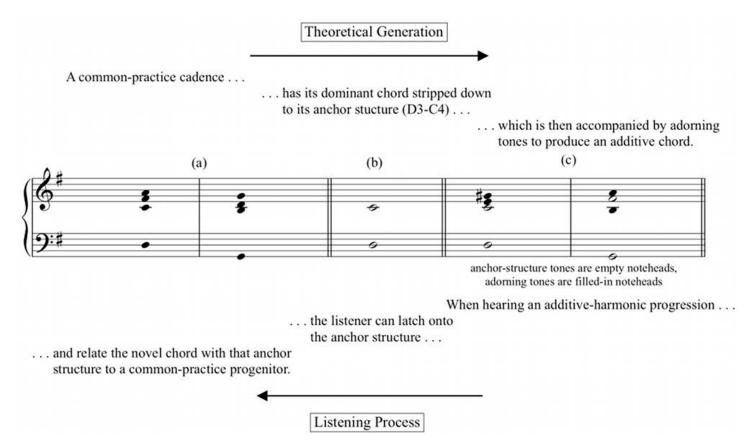
(c) inversion of the penultimate chord of Example 2b



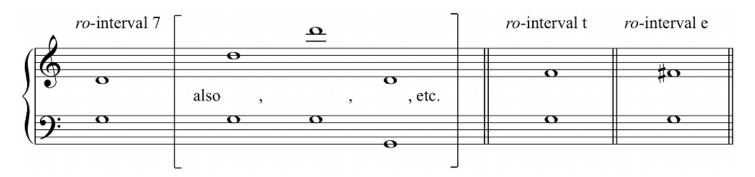
Example 3. Potential alternate readings of the penultimate chord of *L'enfant et les sortilèges*; the pitch classes B, C, D, and E are shown with open noteheads, and omitted tones in the extended triad with filled-in noteheads



Example 4. The relationship between a tonally plausible additive chord and a common-practice chord. In 4c, anchor-structure tones are shown as open noteheads and adorning tones as filled-in noteheads



Example 5. Two-note anchor structures (t and e stand for ten and eleven)



Example 6. Ravel, *Ma mère l'Oye*, "Laideronette, impératrice des pagodes," mm. 16–24; additive supertonic anchored by *ro*-interval 10



Example 7. Three-note anchor structures.

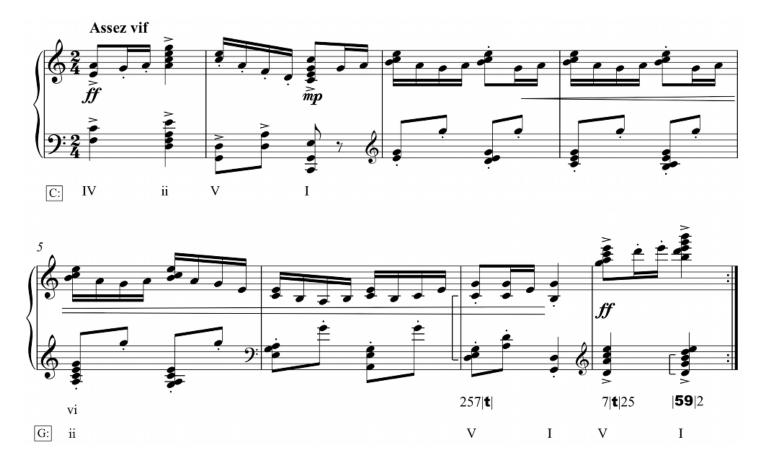
- * chords are voiced to avoid *ro*-interval 1 between the upper pitches.
- ** chords have *ro*-interval 1 between the bass note and an upper pitch



Example 8. Examples of second-order anchor structures

The pitches of the anchor structure are set off in bold font and connected with brackets; this makes visually prominent how anchor structures serve as equivalence classes, partitioning the vast set of voicings into analytically productive categories of tonal plausibility.

(a) Ravel, Le tombeau de Couperin, "Rigaudon" mm. 1–8



(b) Milhaud, Saudades Do Brasil, "Tijuca," mm. 5-9



Example 9. Inability of *ro*-interval 2 to support additive adornments

(a) ro-interval 2 as chord interval implies a seventh chord in second inversion



(b) additive adornments of *ro*-interval 2, however, undermine that tonal plausibility:



adding ro-intervals 5, 6, 8, or 9 produces common-practice chords



adding ro-intervals 7, t, or e projects the bass as chord root



adding ro-interval 1 creates a cluster

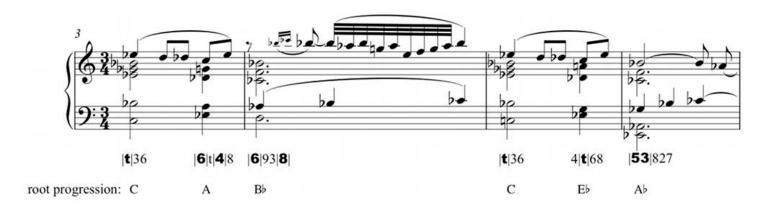
adding ro-intervals 3 or 4 projects the bass as chord root

Example 10. Relative strength of anchor structures closer to the bass

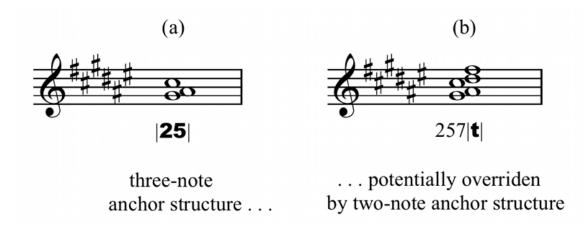


(less likely hearing/usage)

Example 11. Poulenc, *Trois Pièces pour piano*, "Pastorale," mm. 3–6; tonal plausibility changed by revoicing of inner parts



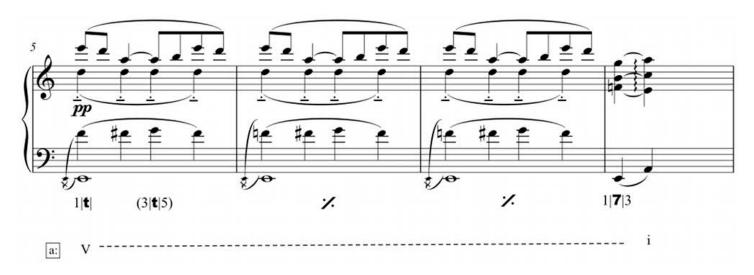
Example 12. Interaction between two-note and three-note anchor structures in a similar register



Example 13. Ravel, *Miroirs*, "Alborada del gracioso," mm. 126–40



Example 14. Ravel, *Ma mere l'Oye*, "Pavane de la Belle au bois dormant," mm. 5–8; two-note anchor-structure chord supporting *ro*-interval 1 as a minor ninth above the bass



Example 15a. Marked use of *ro*-interval 1 in Auric, Prélude from *L'Album des Six*; instances of *ro*-interval 1 are marked by boxes



Example 15b. Marked use of *ro*-interval 1 in Auric, Prélude from *L'Album des Six*; instances of *ro*-interval 1 are marked by boxes or lines



Les Cigales

Rosemonde Gérard (w/ edits by Chabrier)

Le soleil est droit sur la sente, l'ombre bleuit sous les figuiers, ces cris au loin multipliés, c'est midi, c'est midi qui chante!

Sous l'astre qui conduit le chœur, les chanteuses dissimulées jettent leurs rauques ululées de quel infatigable cœur!

Les cigales, ces bestioles, ont plus d'âme que les violes, les cigales, les cigalons, chantent mieux que les violons!

S'en donnent elles, les cigales, sur les tas de poussière gris, sous les oliviers rabougris étoilés de fleurettes pâles.

Et grises de chanter ainsi, Elles font leur musique folle; Et toujours leur chanson s'envole Des touffes du gazon roussi!

Les cigales, ces bestioles, ont plus d'âme que les violes, les cigales, les cigalons, chantent mieux que les violons!

Aux rustres épars dans le chaume, le grand astre torrentiel, a larges flots, du haut du ciel, verse le sommeil et son baume.

Tout est mort, rien ne bruit plus qu'elles toujours, les forcenées, entre les notes égrénées de quelque lointain *Angélus*!

Les cigales, ces bestioles, ont plus d'âme que les violes, les cigales, les cigalons, chantent mieux que les violons!

The Cicadas

translation by Graham Johnson & Richard Stokes

The sun's overhead the path, The shadow turns blue beneath the figs, These distant chirpings multiply, It is noon, it is noon that sings!

Beneath the sun that conducts the choir, The hidden songsters Utter their raucous cries From what unflagging hearts!

The cicadas, these tiny beasts, Have more soul than viols, Cicadas, tiny cicadas, Sing better than violins!

They revel in it, the cicadas, On the heaps of grey dust, Beneath the stunted olive-trees Studded with little pale flowers.

And drunk from such singing, They make their mad music And their song soars unceasingly From the tufts of russet grass!

The cicadas, these tiny beasts, Have more soul than viols, Cicadas, tiny cicadas, Sing better than violins!

On the rustics across the stubble, The great torrential sun From high in heaven Pours its sleep and balm.

All is dead, no sound but theirs Frenzied and insistent, Among the far-flung notes From some distant angelus!

The cicadas, these tiny beasts, Have more soul than viols, Cicadas, tiny cicadas, Sing better than violins!

Example 17. Chabrier's "Les Cigales," mm. 1–35; the beginnings of chains of repeated *ro*-interval-1 chords are marked with arrows



Example 17 (continued)

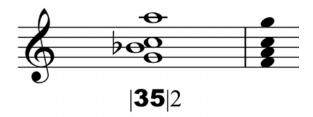


Example 17 (continued)

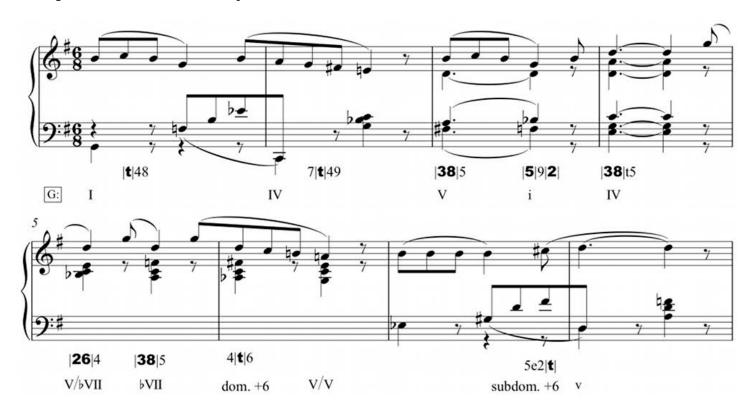


Example 18. Scarcity of adornment options for three-note anchor structures

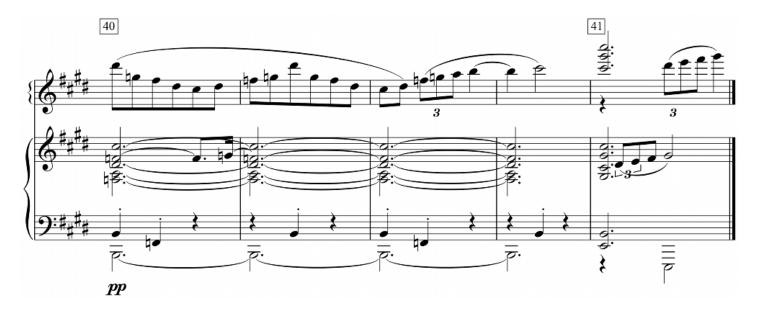
- pitches that could produce competing plausibilities: D, F, F#
- pitches that would produce ro-interval 1: G#, B, C#
- pitches that would merely complete a common-practice chord: E, E



Example 19. Satie, *Préludes Flasques*, iv, mm. 1–8; three-note anchor structures



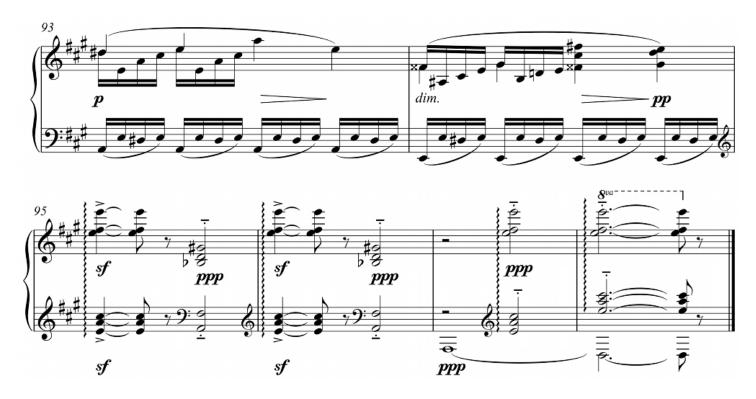
Example 20. Whole-step adjacencies in final tonic chords in the Parisian modernist repertoire (a) reduction of Debussy, *La mer*, ii, R40–41



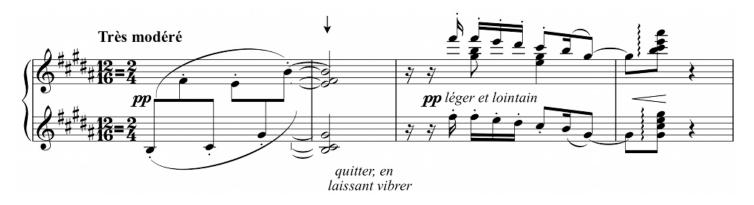
Example 20. Whole-step adjacencies in final tonic chords in the Parisian modernist repertoire (b) Debussy, *Estampes*, "Pagodes," mm. 93–98



Example 20. Whole-step adjacencies in final tonic chords in the Parisian modernist repertoire (c) Chabrier, "Les Cigales," mm. 93–98

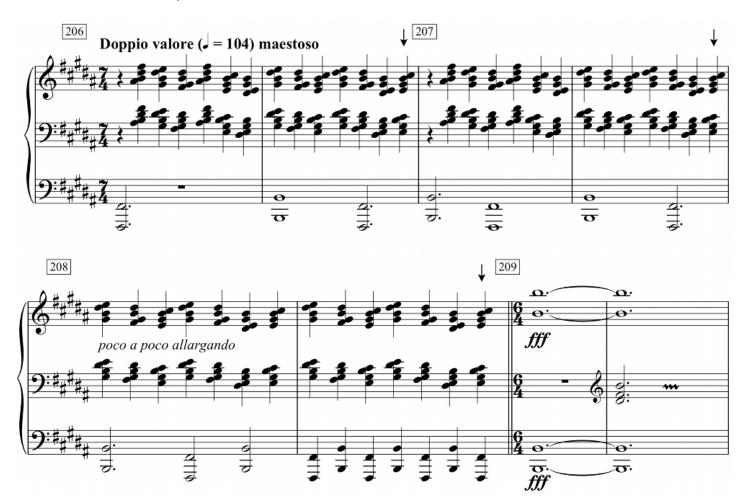


Example 21. Debussy, "Les collines d'Anacapri," mm. 1–8



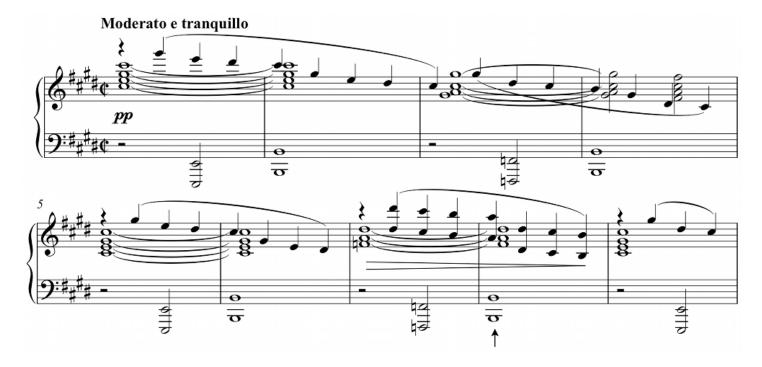
Example 22. The potential for chords to fulfill the same tonal function despite divergent pitch-class and scale-degree content

(a) reduction of Stravinsky, Firebird, R206–208



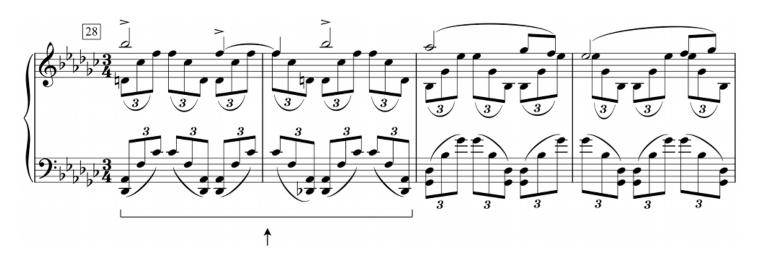
Example 22. The potential for chords to fulfill the same tonal function despite divergent pitch-class and scale-degree content

(b) reduction of Delius, Sea Drift, mm. 1–9



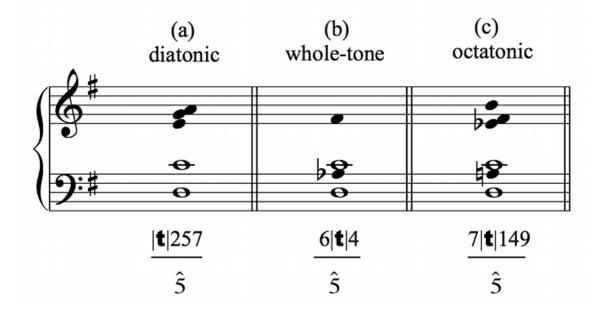
Example 22. The potential for chords to fulfill the same tonal function despite divergent pitch-class and scale-degree content

(c) reduction of Ravel, Introduction et allegro, R28

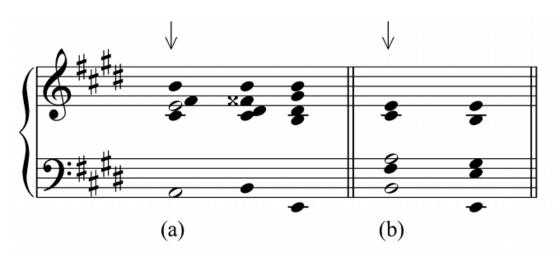


Example 22. The potential for chords to fulfill the same tonal function despite divergent pitch-class and scale-degree content

(d) transposition of the highlighted chords from (a)–(c) into the same key, so as to compare anchor structures and pitch content



Example 23. Different tonal plausibilities arising from distinct voicings of a single pitch-class/scale-degree collection

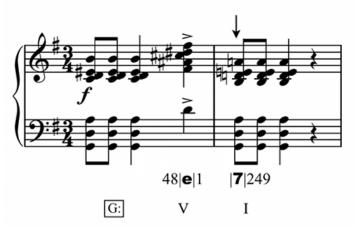


4|**7**|92 most plausible as a stand in for IV/E

7|**t**|25 most plausible as a stand in for V7/E

Example 24. Ravel, *Valses nobles et sentimentales*, i; pitch-class set {G, A, B, D, E} voiced so as to have different tonal functions

(a) mm. 1–2; set voiced as tonic in G major



pitch-class set [G, A, B, D, E]

(b) mm. 11–20; set voiced as dominant in D major



pitch-class set [G, A, B, D, E]

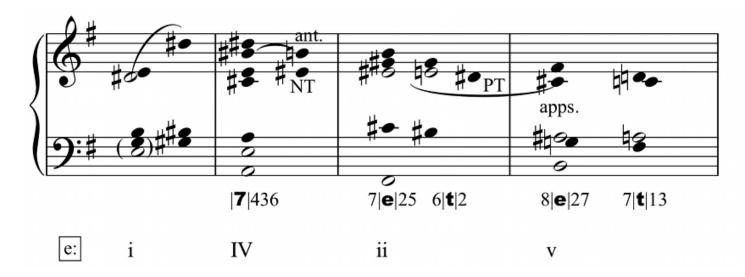
Example 25. Dissonant passage tonally grounded by anchor structures

(a) Ravel, Le tombeau de Couperin, "Forlane," mm. 1–9

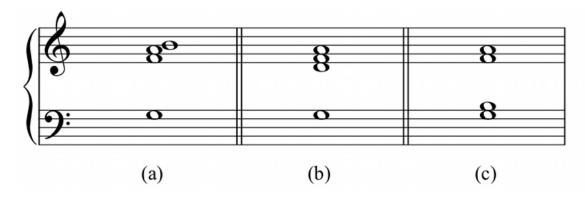
à la mémoire du lieutenant Gabriel Deluc.



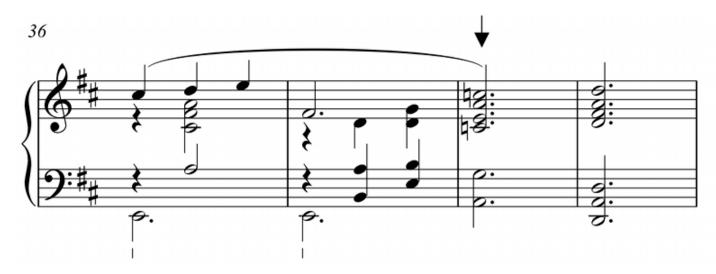
Example 25. Dissonant passage tonally grounded by anchor structures (b) reduction of mm. 1–5 from (a); anchor structures shown in open noteheads



Example 26. Piston's guidelines for voicing a ninth chord



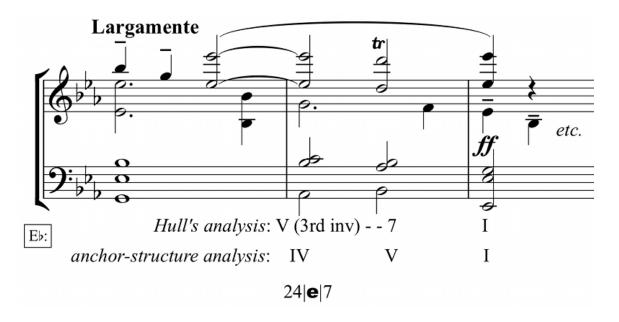
Example 27. Flexibility of the third in two-note anchor-structure chords (a) chromatically altered third in Satie's Gymnopedie No. 1, mm. 36–39



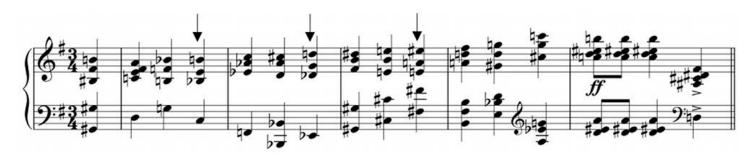
Example 27. Flexibility of the third in two-note anchor-structure chords (b) omitted chordal third in Debussy's "a fille aux cheveux de lin," mm. 18–19



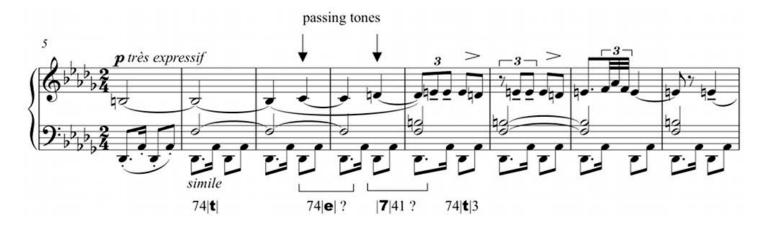
Example 28. Comparison of Hull's analysis and anchor-structure analysis of Butterworth, *A Shropshire Lad*, mm. 54–56



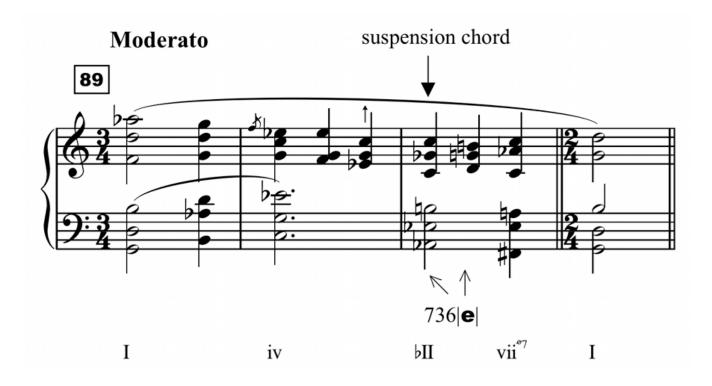
Example 29. Ravel, *Valses nobles et sentimentales*, mm. 56–61; verticalities interpreted as the coincidence of a chord background and non-essential dissonance are marked with arrows



Example 30. Debussy, "La Puerta del Vino," mm. 5–12; viable additive chords interpreted as chords with nonessential dissonance



Example 31. Reduction of Poulenc, *Les biches*, "Rag Mazurka," R89; suspension of a major tenth above the bass



Epigraph to "Les entretiens de la Belle et de la Bête." (Ravel, adapted from Jeanne-Marie Leprince de Beaumont)

—"Quand je pense à votre bon coeur, vous ne me paraissez pas si laid."—"Oh! dame oui! j'ai le coeur bon, mais je suis un monstre."—"Il y a bien des hommes qui sont plus monstres que vous."—Si j'avais de l'esprit, je vous ferais un grand compliment pour vous remercier, mais je ne suis qu'une bête. ...

La Belle, voulez-vous être ma femme?"—"Non, la Bête! ..."

—"Je meurs content puisque j'ai le plaisir de vous revoir encore une fois."—"Non, ma chère Bête, vous ne mourrez pas: vous vivrez pour devenir mon époux!" … La Bête avait disparu et elle ne vit plus à ses pieds qu'un prince plus beau que l'Amour qui la remerciait d'avoir fini son enchantement.

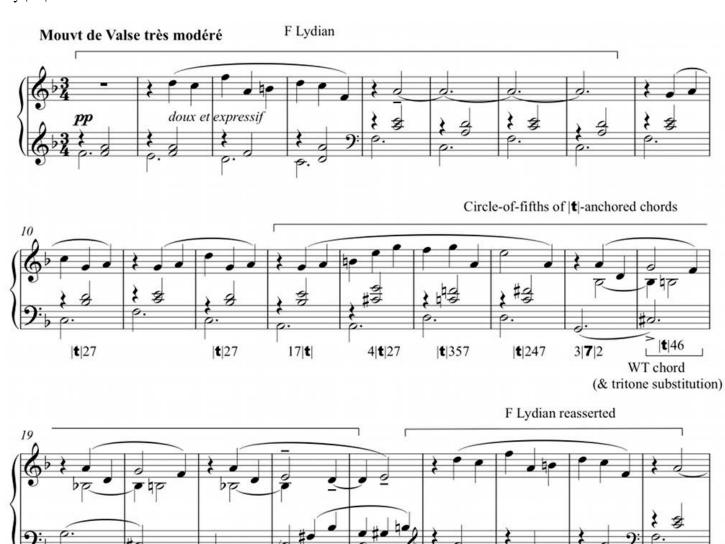
English translation by author

"When I think of your good heart, you do not appear so ugly to me."—"Oh! yes, my lady, I have a good heart, but I am a monster."—"There are plenty of men who are more monstrous than you."—"If I had the wit, I would pay you a great compliment to thank you, but I am nothing but a beast."

"Beauty, would you be my wife?"—"No, Beast! ..."

"I die content because I have had the pleasure of seeing you once again."—"No, my dear Beast, you will not die: you will live to become my husband!" ... The Beast had disappeared and she saw at her feet only a prince more handsome than Love who thanked her for having broken his spell.

Example 33. Use of anchor structures to resolve the relationship between Beauty and the Beast in Ravel, "Les entretiens de la Belle et de la Bête" (a) Beauty's theme; weakly anchored F-Lydian melody followed by |10|-anchored circle of fifths



6|t|24

WT chord

3|7|2

|t|46

WT chord

(& tritone substitution)

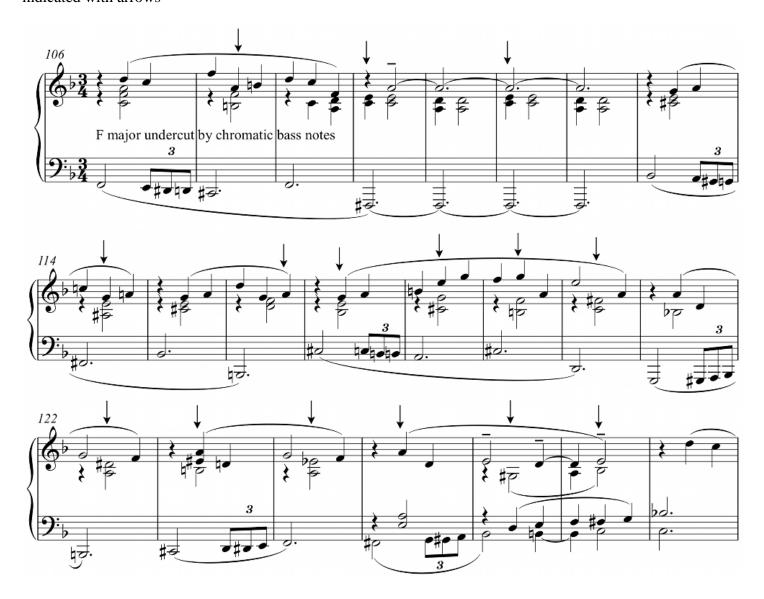
3|7|2

Example 33. Use of anchor structures to resolve the relationship between Beauty and the Beast in Ravel, "Les entretiens de la Belle et de la Bête" (b) Beast's theme; use of symmetric scales and eschewal of tonal plausibilities

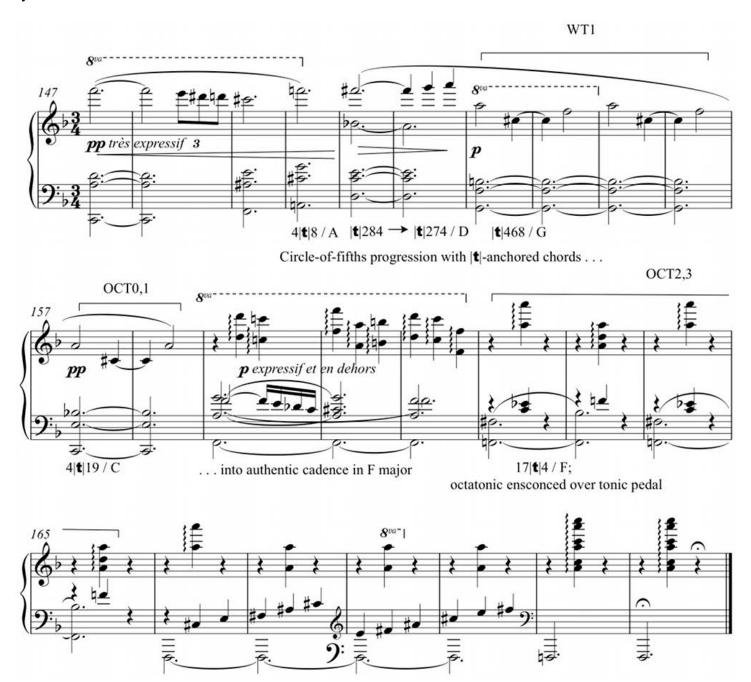


tonal plausibility (|t| / F#) unrealized

Example 33. Use of anchor structures to resolve the relationship between Beauty and the Beast in Ravel, "Les entretiens de la Belle et de la Bête" (c) failed union of Beauty and the Beast; |10|-anchored chords indicated with arrows



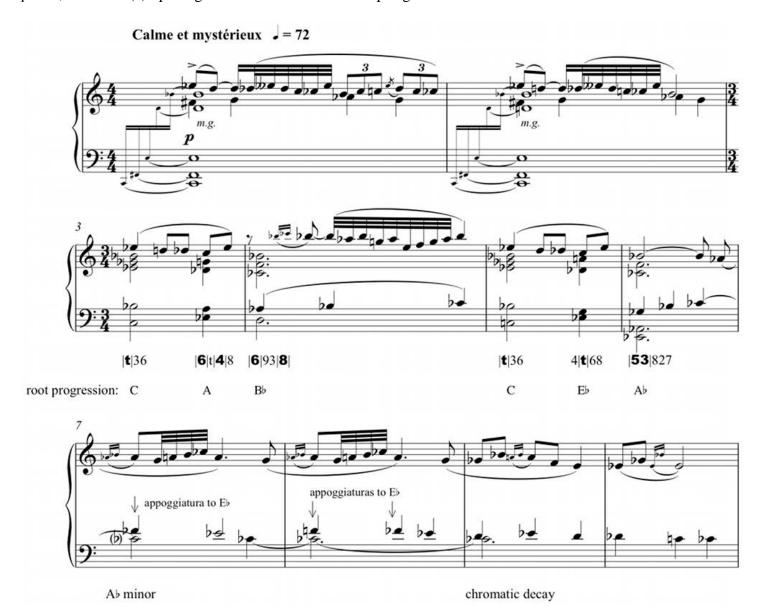
Example 33. Use of anchor structures to resolve the relationship between Beauty and the Beast in Ravel, "Les entretiens de la Belle et de la Bête" (d) anchor structures tonally resolve the Beast's melody and symmetrical scales



Example 34. Poulenc, *Trois pièces pour piano*, Pastorale, mm. 1–2



Example 35a. Exploration of the tonal potential of the opening chord in Poulenc, *Trois pièces pour piano*, Pastorale (a) opening section casts C-rooted offspring of the chord as ii^{§7} in B and iii^{§7} in A



Example 35b. Exploration of the tonal potential of the opening chord in Poulenc, *Trois pièces pour piano*, Pastorale (b) middle section casts C-rooted chords as vii⁶⁷ in D, V7 in F minor, and I in C



Example 35c. Exploration of the tonal potential of the opening chord in Poulenc, *Trois pièces pour piano*, Pastorale (c) final section emphasizes the ambiguous and unresolved nature of the chord

