



A JOURNAL OF THE SOCIETY FOR MUSIC THEORY

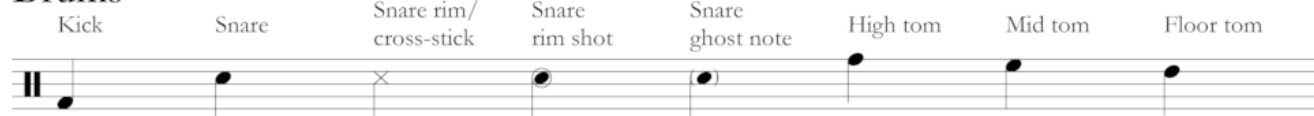
MTO 27.1 Examples: Garza, Transcending Time (Feels)

(Note: audio, video, and other interactive examples are only available online)

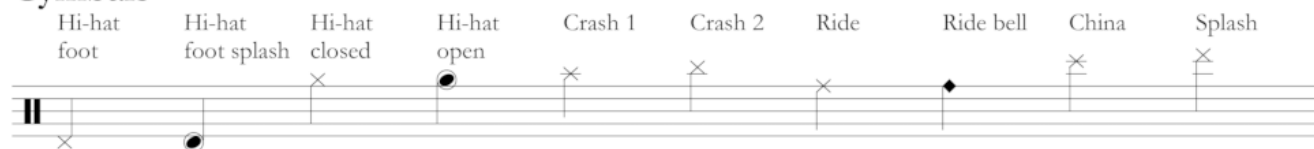
<https://mtosmt.org/issues/mto.21.27.1/mto.21.27.1.garza.html>

Example 1. Drum set notation key

Drums



Cymbals



Example 2. Summary of riff types and associated time feels

Riff Type	Description	Associated Time Feel(s)	Representative Musical Examples, Time Feel
Straight, open divisions	Chords or single notes played open (not palm-muted), constantly articulating the beat division	Normal	Ex. 3. Mastodon, "Show Yourself," normal time
Breakdown	Short and/or palm-muted notes on single or barely moving notes or chords; bass does not palm-mute	Quarter, half	Ex. 4. Byzantine, "Justinian Code," half time
Long durations	Incorporation of durations longer than a beat played as single notes or chords	Quarter, half	Ex. 5. Swallow the Sun, "Stone Wings," quarter time Ex. 6. Origin, "Malthusian Collapse," half time
Pedal-tone	Alternation between fretted/unfretted and palm-muted/open notes; bass does not palm-mute	Double/triple, normal	Ex. 7. Power Trip, "If Not Us Then Who," double time
Weak-beat syncopation	Chords or single notes in rhythms syncopated over weak beats by ties or rests	Double	Ex. 8. Enslaved, "One Thousand Years of Rain," double time
Tremolo	Quick alternation of up- and down-picking	Quadruple/sextuple	Ex. 9. Skeletonwitch, "Sacred Soil," quadruple time

Example 3. Straight, open divisions riff in a normal-time passage; Mastodon, “Show Yourself,” *Emperor of Sand*, 2017, 0:28 (first guitar as it appears in Billmann and Jacobson [2017, 10])

$\text{♩} = 135$

Vocals

8

You're not as safe ___ as ___ far ___ as ___ I ___ can tell, And I can tell ___

(Bass plays lowest note an octave below)

E.Gtr 1 and E.B.

8

Drum Set

Example 4. Breakdown riff in a half-time passage; Byzantine, “Justinian Code,” *To Release Is to Resolve*, 2015, 7:46

$\text{♩} = 145$

(Bass plays lowest note an octave below with no palm-muting)

E.Gtrs. and E.B.

8

Drum Set

8

E.Gtrs/ E.B.

8

D. S.

Example 5. Long durations riff in a quarter-time passage; Swallow the Sun, “Stone Wings,” *When a Shadow Is Forced into the Light*, 2019, 2:59

♩ = 110
(Bass plays an octave below)

E.Gtr 1 and E.B.

Drum Set

(E.Gtr. 1)

(Bass)

Detailed description: This musical score is for a 4/4 time signature piece. The tempo is marked as 110 beats per minute (♩ = 110). The guitar part (E.Gtr 1 and E.B.) consists of a riff with long durations, indicated by horizontal lines above the notes. The bass part (Bass) plays an octave below the guitar. The drum set (Drum Set) provides a steady quarter-note beat throughout the passage.

Example 6. Long durations riff in a compound-meter half-time passage; Origin, “Malthusian Collapse,” *Omnipresent*, 2014, 1:55

♩ = 150
(Bass plays lowest note an octave below)

E.Gtrs. and E.B.

Drum Set

==

E.Gtrs./E.B.

D. S.

Detailed description: This musical score is for a 12/8 time signature piece. The tempo is marked as 150 beats per minute (♩ = 150). The guitar part (E.Gtrs. and E.B.) consists of a riff with long durations, indicated by horizontal lines above the notes. The bass part (Bass) plays the lowest note an octave below. The drum set (Drum Set) provides a steady half-note beat throughout the passage. The score is divided into two systems by a double bar line (==).

Example 7. Pedal-tone riff in a normal-time passage; Power Trip, “If Not Us Then Who,” *Nightmare Logic*, 2017, 0:10

$\text{♩} = 192$
(Bass plays lowest note an octave below with no palm-muting)

E.Gtrs/
E.B.

D. S.

Example 8. Weak-beat syncopation riff in a double-time passage; Enslaved, “One Thousand Years of Rain,” *In Times*, 2015, 1:04

$\text{♩} = 152$

Electric
Guitars

Electric
Bass

Drum
Set

E.Gtrs.

E.B.

D. S.

Example 9. Tremolo riff in a quadruple-time passage; Skeletonwitch, “Sacred Soil,” *Devouring Radiant Light*, 2018, 0:25

$\text{♩} = 160$

Electric Guitar 1

(Bass plays roots of chords, also tremolo)

E.Gtr 2 and E.B.

Drum Set



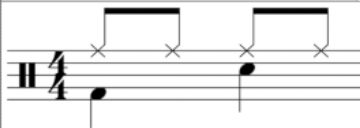



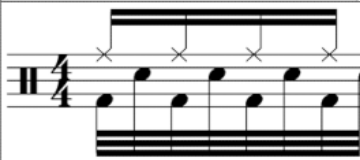
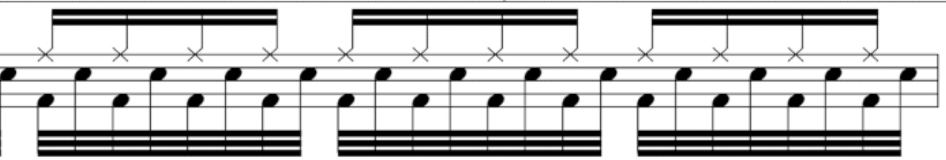
E.Gtr. 1

E.Gtr 2/
E.B.

D. S.

The musical score is written in 4/4 time with a key signature of one flat (B-flat). The tempo is marked as quarter note = 160. The score is divided into two systems. The first system includes Electric Guitar 1, E.Gtr 2 and E.B., and Drum Set. The second system includes E.Gtr. 1, E.Gtr 2/E.B., and D. S. The first system shows a tremolo riff on the guitar and a drum pattern. The second system shows a similar tremolo riff on the guitar and a drum pattern. The score is written in standard musical notation with treble and bass clefs, and a key signature of one flat.

Example 10. Timekeeping cymbal categories

Once per beat (OpB)	Timekeeping cymbal struck once per beat, on every beat
	
Beat divisions (BD)	Timekeeping cymbal struck on beat divisions: twice per beat (simple meter) or three times per beat (compound meter)
	
Every other beat (EOB)	Timekeeping cymbal struck every other beat
	
Beat subdivision (BSD)	Timekeeping cymbal struck on some level of beat subdivision: when used, usually four times per beat (simple meter) or six times per beat (compound meter)
	

Example 11. Summary of timekeeping cymbal categories and associated time feels

Timekeeping Cymbal Category	Associated Time Feels	Representative Musical Examples, Time Feel
Once per beat (OpB)	Normal, half	Ex. 12. Periphery, “Blood Eagle,” half time
Beat divisions (BD)	Normal, double/triple, quadruple/sextuple	Ex. 13. Watain, “Towards the Sanctuary,” normal time Ex. 14. Revocation, “That Which Consumes All Things,” triple time Ex. 15. Immortal, “Grim and Dark,” sextuple time Ex. 19. Abiotic, “Cast into the Depths,” quadruple time
Every other beat (EOB)	Half, quarter	Ex. 16. Un, “Sentiment,” quarter time Ex. 17. Unearth, “Survivalist,” half time
Beat subdivisions (BSD)	Octuple/duodecuple	Ex. 18. Cattle Decapitation, “Death Atlas,” octuple time

Example 12. OpB China cymbal in half time; Periphery, “Blood Eagle,” *Hail Stan*, 2019, 4:11

Drum Set

♩ = 125

The image shows a musical score for a drum set. The top staff is a cymbal line with 'x' marks indicating cymbal hits. The bottom staff is a drum line with various rhythmic patterns. The tempo is marked as ♩ = 125. The time signature is 4/4. The notation includes a cymbal line with 'x' marks and a drum line with various rhythmic patterns.

Example 13. BD ride cymbal in compound-meter normal time; Watain, “Towards the Sanctuary,” *Trident Wolf Eclipse*, 2018, 2:08

Drum Set

♩ = 120

12/8

Example 14. BD open hi-hat and pedal-tone riff type in triple time; Revocation, “That Which Consumes All Things,” *The Outer Ones*, 2018, 3:10

E.Gtr 2 and E.B.

Drum Set

♩ = 143

(Bass plays bottom notes of power chords or D pedal an octave below with no palm-muting)

12/8

E.Gtr 2/
E.B.

D. S.

Example 15. Wash of sound created by BD open hi-hat and tremolo riff type in sextuple time;
 Immortal, "Grim and Dark," *Northern Chaos Gods*, 2018, 0:30

$\text{♩} = 136$

The score for Example 15 is written in 12/8 time with a tempo of 136 BPM. It consists of two systems of music. The first system includes parts for Electric Guitar, Electric Bass, and Drum Set. The Electric Guitar and Electric Bass parts consist of sustained power chords. The Drum Set part features a continuous tremolo riff on the bass drum and open hi-hat. The second system, separated by a double bar line, continues the same pattern with some variation in the guitar and bass parts.

Example 16. EOB open hi-hat and long durations riff type in quarter time; Un,
 "Sentiment," *Sentiment*, 2018, 2:12

$\text{♩} = 58$ (Bass plays bottom notes of power chords an octave below)

The score for Example 16 is written in 4/4 time with a tempo of 58 BPM. It consists of two systems of music. The first system includes parts for Electric Guitars and Electric Bass, and Drum Set. The Electric Guitars and Electric Bass parts consist of a riff with long durations. The Drum Set part features a pattern of open hi-hats and bass drum. The second system, separated by a double bar line, continues the same pattern with some variation in the guitar and bass parts.

Example 17. Increased heaviness caused by shift from OpB to EOB China cymbal in a half-time breakdown; Uneath, “Survivalist,” *Extinctions*, 2018, 0:14

$\text{♩} = 140$
(Bass plays lowest note an octave below with no palm-muting)

E.Gtrs. and E.B.

Drum Set

E.Gtrs./E.B.

D. S.

Example 18. BSD open hi-hat in octuple time; Cattle Decapitation, “Death Atlas,” *Death Atlas*, 2019, 0:00

$\text{♩} = 120$

Drum Set

Example 19. BD open hi-hat in quadruple time at a slow tempo; Abiotic, “Cast into the Depths,” *Casuistry*, 2015, 2:20

$\text{♩} = 120$

Drum Set

Example 20. Napalm Death, “Bloodless Coup,” *Apex Predator – Easy Meat*, 2015, 0:08

a. Quadruple-time interpretation with “unknown” riff type and BSD open hi-hat

$\text{♩} = 110$ (Bass plays bottom notes of power chords an octave below)

E.Gtr.
and E.B.

Drum
Set

b. Double-time interpretation with weak-beat syncopation riff type and BD open hi-hat

$\text{♩} = 220$ (Bass plays bottom notes of power chords an octave below)

E.Gtr.
and E.B.

Drum
Set

E.Gtr./
E.B.

D. S.

Example 21. August Burns Red, “Hero of the Half Truth,” *Phantom Anthem*, 2017, 0:35

a. Half-time interpretation with breakdown riff type and EOB China cymbal

$\text{♩} = 200$
(Bass plays lowest note an octave below with no palm-muting)

E.Gtr 2 and E.B.

Drum Set

b. Normal-time interpretation with breakdown riff type and OpB China cymbal

$\text{♩} = 100$ (Bass plays lowest note an octave below with no palm-muting)

E.Gtr 2 and E.B.

Drum Set

Example 22. OpB crash cymbal and straight, open divisions riff type in normal time; “Hero of the Half Truth,” 0:55

$\text{♩} = 200$
(Bass plays lowest note an octave below)

E.Gtr 2 and E.B.

Drum Set

Example 23. Long durations riff type clarifying half time with altered drum pattern; Slugdge, “The Spectral Burrows,” *Esoteric Malacology*, 2018, 3:06

Example 23 is a musical score for a riff. The tempo is marked as $\text{♩} = 140$. The Electric Guitar part is in 4/4 time, featuring a riff with long durations and a key signature of one sharp (F#). The Drum Set part is also in 4/4 time, featuring a pattern with long durations and a key signature of one sharp. The score includes annotations for "8th loco" and "8th" with dashed lines indicating a shift in the riff. The Electric Guitar part is marked with "Reo." and the Drum Set part is marked with "Reo." and "8th".

Example 24. Straight, open divisions riff type and OpB crash cymbal contributing normal-time rhetoric in a passage with a four-on-the-snare drum pattern; Converge, “Wildlife,” *The Dusk in Us*, 2017, 0:30

Example 24 is a musical score for a riff. The tempo is marked as $\text{♩} = 157$. The Electric Guitars and Bass part is in 12/8 time, featuring a riff with straight, open divisions. The Drum Set part is also in 12/8 time, featuring a four-on-the-snare drum pattern. The score includes annotations for "(Bass plays lowest note an octave below)" and "Gtr. divisi with overdub". The Electric Guitars and Bass part is marked with "E.Gtrs. and E.B." and the Drum Set part is marked with "Drum Set". The score is divided into two sections by a double bar line.

Example 25. Contradiction between quarter-time and fast time-feel characteristics; Psycroptic, “Deadlands,” *As the Kingdom Drowns*, 2018, 2:31

(Bass plays lowest note an octave below [except fourth measure] with no palm-muting)

♩ = 188

E.Gtr 2 and E.B.

Drum Set

Example 26. Contradiction between quadruple time and slow time-feel characteristics; Inter Arma, “Sulphur English,” *Sulphur English*, 2019, 10:03

♩ = 160

(Bass plays B an octave below in same rhythm in all measures)

E.Gtrs. and E.B.

Drum Set

Let power chord ring into next two measures

E.Gtrs./E.B.

D. S.

choke

Example 27. Sextuple time with tremolo riff type and BD hi-hat, fast time feel traits that represent action; “Sulphur English,” 1:03

♩. = about 104

Vocals

Be - ware his garb

Electric Guitars

Electric Bass

Drum Set

Gradually open hi-hat toward end of measure

sim.

Example 28. Quarter time at 4:45 with long durations riff type and EOB open hi-hat, slow time feel traits that represent a call to action; “Sulphur English,” 4:45

♩. = about 150

Vocals

Se - ver the

(Bass plays B an octave below in same rhythm in all measures)

E.Gtrs. and E.B.

Let power chord ring into next two measures

Drum Set

Vox.

cor - rupt

E.Gtrs./E.B.

sim.

D. S.

Example 29. Contradiction between normal-time and sextuple-time characteristics; Myrkur, “Elleskudt,” *Mareridt* 2017, 0:01

♩ = 100

Electric Guitar

Electric Bass

Drum Set

Example 30. Example of a compound riff type; Archspire, “Human Murmuration,” *Relentless Mutation*, 2017, 0:26

♩ = 146

Electric Guitars

Drum Set

E. Gtrs.

D. S.

(E.Gtr. 1)

(Both)

(E.Gtr. 2)

(Both)