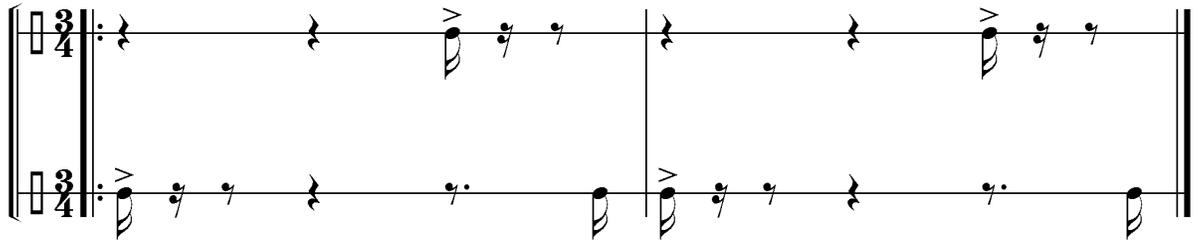


.
 P.P.S.

 x x x



Web Example 3.5. Peter Gabriel, “The Rhythm of the Heat,” drum riff recontextualized to $\frac{3}{4}$ meter.

Although the tempo of the primary pulse stream has slowed down as a result of this regrouping, from about 108 to about 82 beats per minute, it appears to have picked up significantly because of the increase in rhythmic density; if the new primary pulse stream is about 82 beats per minute, the lowest-level pulse (which had not been present in the first part of the song) flies by at 656 beats per minute! At the very end the drummers play sextuplets within the primary pulse stream to bring this song to a dramatic close.

What has happened in this change of metric structure is that an equivalent unit of time (the temporal unit articulated in the initial lower-level 12 pulses per measure) comes to represent a new durational value in a new meter. If we were to notate the first meter as $\frac{12}{8}$, the durational value of this pulse would be notated as an eighth note. In the new meter, however, which we might write as $\frac{3}{4}$, the durational value of this pulse—the same slice of time—would now be written as a sixteenth note. The reinterpretation of a given durational value in a new metric structure, *with the experience of a confirmed new tempo*, is called **metric modulation**. In metric modulation, there is a notable proportional shift of tempo that results from the shift of metric organization. It might be regarded as a precisely calibrated acceleration or deceleration, one achieved by the redefinition of a

unit of time from one meter to another. This is a technique that is especially found in twentieth- and twenty-first-century art music, particularly the music of the American composer Elliott Carter (1908–2012). Carter's *Variations for Orchestra* (1954–55) contains some particularly striking examples of metric modulation, especially the fourth (a perpetual slowing down, or *ritardando*) and sixth (a perpetual acceleration, or *accelerando*) variations.