MTO 6.2 Examples: Tenzer, Theory and Analysis of Melody in Balinese Gamelan

(Note: audio, video, and other interactive examples are only available online)
http://www.mtosmt.org/issues/mto.00.6.2/mto.00.6.2.tenzer.php

Figure 1. Descriptive term-pairs

Post-16th century music   Pre-16th century Music

	Post-16th century music		Pre-16th century Music
1.	Cyclic	1.	Linear
2.	Quadripartite	2.	Additive (or free)
3.	Instrumental	3.	Vocal
4.	Court tradition	4.	Village tradition
5.	Bronze technology	5.	(earlier) Local technology
6.	Symmetrical structure	6.	Asymmetrical structure

Figure 2. Summary of *gamelan* terminology and analytical concepts

1. *kotekan*: interlocking parts; composite moves at 4 or (sometimes) 8 tones/beat
2. *neliti*: skeletal reduction of leading melody; 1 tone per beat
3. *pokok*: trunk tones; ordinarily 1 tone every 2 beats
4. *jegogan*: sparsest melodic layer; one tone every 4, 8, 16 or 32 beats, depending on the length of the melody
5. *ngubeng*: static; low rate of scale-tone change
6. *majalan*: kinetic; high rate of scale-tone change
7. axis: distance in scale tones between the midpoint and final tones of a melody
8. contour class (CC): ordered, 4-member set of integers showing contour and interval relationships among four consecutive tones in a given stratum; the last of the four must be in a metrically stressed position, and is set to 0 to provide a point of orientation
9. *kotekan* contour class (kCC): like CC, but restricted to a series of 8 consecutive tones (lasting a total of two beats) in the kotekan stratum

Figure 3. Stratified metric stress, Contour Classes (CC) and *kotekan* contour classes (kCC) in an eight-beat melody

```
kotekan:  xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx  =  total  of  4  kCCs
neliti:    x   x   x   x   x   x   x   x  =  total  of  2  CC(8)s
pokok:         x       x       x       x  =  total  of  1  CC(4)
jegogan:               x               x  =  1  Axis  relation
                                                          Gong
```

Bold type indicates the end of each CC, a point of metric and melodic stress in the stratum

Example 1. 8 Beat Melody and 2 Kotekan Realizations

Example 1: 8 Beat Melody and 2 Kotekan Realizations

Example 2. Pengecet Lasem (Melody and Kotekan)

Example 2: Pengecet Lasem (Melody and Kotekan)

Example 3. Pengecet Lasem Strata Analysis

Example 3: Pengecet Lasem Strata Analysis

Example 4. Sample kCC Analysis