

Ó, Ó, Menino Ó

Music21

Original

TIV Euclidean 0.25

TIV Euclidean 0.5

TIV Euclidean 0.75

Original

TIV Cosine 0.25

TIV Cosine 0.5

TIV Cosine 0.75

The image displays a musical score for the song "Ó, Ó, Menino Ó" in 4/4 time. The score is organized into two systems, each containing five staves. The first system includes the original melody and three TIV (Tonal Interval Vector) processed versions using the Euclidean metric at thresholds of 0.25, 0.5, and 0.75. The second system includes the original melody and three TIV processed versions using the Cosine metric at the same thresholds. The original melody is written in treble clef with a key signature of one sharp (F#). The TIV processed versions show varying degrees of simplification or alteration based on the threshold value, with 0.25 being the most simplified and 0.75 being the most similar to the original.

7

Original

TIV Euclidean 0.25

TIV Euclidean 0.5

TIV Euclidean 0.75

Original

TIV Cosine 0.25

TIV Cosine 0.5

TIV Cosine 0.75

The image displays a musical score with two systems of staves. Each system contains four staves: the original melody and three TIV (Tonal Interval Variance) processed versions. The first system uses the Euclidean metric, and the second system uses the Cosine metric. The TIV versions are labeled with thresholds of 0.25, 0.5, and 0.75. The original melody is in G major (one sharp) and 4/4 time. The TIV versions show how the intervallic structure of the melody is preserved or altered based on the chosen metric and threshold. The Euclidean versions maintain a more rhythmic and intervallic similarity to the original, while the Cosine versions show more significant alterations in the intervallic structure, particularly in the lower threshold versions. The score is written in treble clef with a key signature of one sharp (F#).

14

Original

TIV Euclidean 0.25

TIV Euclidean 0.5

TIV Euclidean 0.75

Original

TIV Cosine 0.25

TIV Cosine 0.5

TIV Cosine 0.75

The image displays a musical score with eight staves, organized into two groups of four. Each group starts with an 'Original' melody, followed by three variations labeled 'TIV' (Tonal Interval Variance) using either 'Euclidean' or 'Cosine' metrics at thresholds of 0.25, 0.5, and 0.75. The staves are in treble clef with a key signature of one sharp (F#). The original melody consists of eighth and quarter notes. The TIV variations show increasing simplification as the threshold increases, with more notes being replaced by rests. The first group of staves is marked with a '14' at the beginning, likely indicating a measure number.

20

Original

TIV Euclidean 0.25

TIV Euclidean 0.5

TIV Euclidean 0.75

Original

TIV Cosine 0.25

TIV Cosine 0.5

TIV Cosine 0.75

The image displays a musical score with two systems of staves. Each system contains four staves. The first staff in each system is the 'Original' melody. The subsequent three staves show the results of TIV processing using different metrics and thresholds. The first system uses the Euclidean metric with thresholds of 0.25, 0.5, and 0.75. The second system uses the Cosine metric with the same thresholds. The notation includes treble clefs, a key signature of one sharp (F#), and a 4/4 time signature. The original melody consists of eighth and quarter notes. The TIV processed versions show increasing simplification and quantization as the threshold increases, with more notes being replaced by rests or simplified rhythmic patterns.

Figure 10 displays musical scores for two variations: 'TIV Euclidean' and 'TIV Cosine'. Each variation is shown with four staves: 'Original', 'TIV Euclidean 0.25', 'TIV Euclidean 0.5', and 'TIV Euclidean 0.75' for the first variation, and 'Original', 'TIV Cosine 0.25', 'TIV Cosine 0.5', and 'TIV Cosine 0.75' for the second variation. The scores are written in treble clef with a key signature of one sharp (F#). The 'Original' staff for each variation shows a melody with eighth and quarter notes. The 'TIV' staves show the same melody with varying degrees of distortion, indicated by the numerical values (0.25, 0.5, 0.75). The 'TIV Euclidean' staves show a more rhythmic, almost percussive quality, while the 'TIV Cosine' staves show a more melodic, almost harmonic quality. The 'TIV Euclidean 0.75' and 'TIV Cosine 0.75' staves show a more complex, almost chaotic pattern of notes.