

A Rolinha, Andou, Andou

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 piece 'A Rolinha, Andou, Andou'. It consists of two systems of staves, each containing five staves. The first system shows the original melody and its TIV-transformed versions using the Euclidean metric at 0.25, 0.5, and 0.75. The second system shows the original melody and its TIV-transformed versions using the Cosine metric at 0.25, 0.5, and 0.75. The music is written in 3/4 time, with a key signature of one flat (B-flat). The original melody is a simple, repetitive tune. The TIV-transformed versions show varying degrees of rhythmic and melodic distortion, with the 0.25 version being the most distorted and the 0.75 version being the least distorted. The Cosine metric transformations appear to preserve the original melody's structure more closely than the Euclidean metric transformations.

6

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 begins with an 'Original' melody, followed by three variations labeled 'TIV' (Tuning Invariant) using either 'Euclidean' or 'Cosine' metrics at 0.25, 0.5, and 0.75 levels. The staves are numbered 6 at the top left. The 'Original' melody is a sequence of eighth notes: G4, A4, B4, C5, D5, E5, F5, G5, A5, B5, C6, D6, E6, F6, G6, A6, B6, C7, D7, E7, F7, G7, A7, B7, C8, D8, E8, F8, G8, A8, B8, C9, D9, E9, F9, G9, A9, B9, C10, D10, E10, F10, G10, A10, B10, C11, D11, E11, F11, G11, A11, B11, C12, D12, E12, F12, G12, A12, B12, C13, D13, E13, F13, G13, A13, B13, C14, D14, E14, F14, G14, A14, B14, C15, D15, E15, F15, G15, A15, B15, C16, D16, E16, F16, G16, A16, B16, C17, D17, E17, F17, G17, A17, B17, C18, D18, E18, F18, G18, A18, B18, C19, D19, E19, F19, G19, A19, B19, C20, D20, E20, F20, G20, A20, B20, C21, D21, E21, F21, G21, A21, B21, C22, D22, E22, F22, G22, A22, B22, C23, D23, E23, F23, G23, A23, B23, C24, D24, E24, F24, G24, A24, B24, C25, D25, E25, F25, G25, A25, B25, C26, D26, E26, F26, G26, A26, B26, C27, D27, E27, F27, G27, A27, B27, C28, D28, E28, F28, G28, A28, B28, C29, D29, E29, F29, G29, A29, B29, C30, D30, E30, F30, G30, A30, B30, C31, D31, E31, F31, G31, A31, B31, C32, D32, E32, F32, G32, 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A Rolinha, Andou, Andou

Music21

Original

Metric 0.25

Metric 0.5

Metric 0.75

This system contains four staves of music in 3/4 time. The 'Original' staff features a melody with eighth and sixteenth notes. The 'Metric 0.25' staff shows the same melody with stems removed, leaving only the note heads. The 'Metric 0.5' staff shows the melody with stems and note heads, but with some notes beamed together. The 'Metric 0.75' staff shows the original melody with all stems and note heads.

Original

Metric 0.25

Metric 0.5

Metric 0.75

This system contains four staves of music in 3/4 time. The 'Original' staff features a melody with eighth and sixteenth notes. The 'Metric 0.25' staff shows the same melody with stems removed, leaving only the note heads. The 'Metric 0.5' staff shows the melody with stems and note heads, but with some notes beamed together. The 'Metric 0.75' staff shows the original melody with all stems and note heads.

A Rolinha, Andou, Andou

Music21

Original

Intervallic 0.25

Intervallic 0.5

Intervallic 0.75



7

Original

Intervallic 0.25

Intervallic 0.5

Intervallic 0.75



A Rolinha, Andou, Andou

Music21

Original

All Euclidean 0.25

All Euclidean 0.5

All Euclidean 0.75

Original

All Cosine 0.25

All Cosine 0.5

All Cosine 0.75

The image displays a musical score for the piece 'A Rolinha, Andou, Andou'. It is organized into two main sections, each containing five staves. The first section shows the 'Original' melody and three reconstructions using the 'All Euclidean' algorithm at similarity levels of 0.25, 0.5, and 0.75. The second section shows the 'Original' melody and three reconstructions using the 'All Cosine' algorithm at the same similarity levels. All staves are in 3/4 time and use a treble clef. The notation includes quarter notes, eighth notes, and rests, with some notes beamed together. The 'Original' and 'All Euclidean 0.75' versions appear nearly identical, while the 'All Cosine 0.25' version shows significant rhythmic deviations, such as multiple eighth-note rests in the second measure.

6

Original

All Euclidean 0.25

All Euclidean 0.5

All Euclidean 0.75

Original

All Cosine 0.25

All Cosine 0.5

All Cosine 0.75

The image displays a musical score with eight staves, each containing a melody. The first four staves are grouped together, and the next four are grouped together. The first staff of each group is labeled 'Original' and shows a melody in G major (one sharp) with a 6/8 time signature. The subsequent staves in each group show reconstructions of the original melody using different algorithms and parameters. The first group uses the 'All Euclidean' algorithm with parameters 0.25, 0.5, and 0.75. The second group uses the 'All Cosine' algorithm with parameters 0.25, 0.5, and 0.75. The notation includes quarter notes, eighth notes, and rests, with a final double bar line at the end of each staff.