

# Roughness: Pitches Affinity-Brightness

hutchinson1978.affinity

hutchinson1978.brightness

0.2

0.4

0.3

-0.1

0.0

0.1

Minor 2nd  
C4 Db4 ↑ ↓ C5  
0 {1} ↑ ↓ 12

Minor 3rd  
C4 Eb4 ↑ ↓ C5  
0 {3} ↑ ↓ 12

Major 2nd  
C4 D4 ↑ ↓ C5  
0 {2} ↑ ↓ 12

Perfect 4th  
C4 F4 ↑ ↓ C5  
0 {5} ↑ ↓ 12

Minor 6th  
C4 Ab4 ↑ ↓ C5  
0 {8} ↑ ↓ 12

Tritone  
C4 Gb4 ↑ ↓ C5  
0 {6} ↑ ↓ 12

Octave  
C4 C5 ↑ ↓  
0 {12} ↑ ↓

Tonic  
C4 ↑ ↓ C5  
{0} ↑ ↓ 12

Major 6th  
C4 A4 ↑ ↓ C5  
0 {9} ↑ ↓ 12

Major 3rd  
C4 E4 ↑ ↓ C5  
0 {4} ↑ ↓ 12

Minor 7th  
C4 Bb4 ↑ ↓ C5  
0 {10} ↑ ↓ 12

Perfect 5th

C4 G4 ↑ ↓ C5  
0 {7} ↑ ↓ 12

Major 7th  
C4 B4 ↑ ↓ C5  
0 {11} ↑ ↓ 12