

# Roughness: Pitches Affinity-Brightness

hutchinson1978.affinity

hutchinson1978.brightness

0.4

0.3

0.2

-0.1

0.0

0.1

C<sub>4</sub> F<sub>4</sub> C<sub>5</sub> C<sub>4</sub> C<sub>5</sub>  
0 {5} 12 0 {12}

Perfect 4th Octave

C<sub>4</sub> A<sub>b4</sub> C<sub>5</sub>

0 {8} 12

Minor 6th

C<sub>4</sub> E<sub>b4</sub> C<sub>5</sub>

0 {3} 12

Minor 3rd

C<sub>4</sub> G<sub>b4</sub> C<sub>5</sub>

0 {6} 12

Tritone

C<sub>4</sub> C<sub>5</sub> C<sub>4</sub> G<sub>4</sub> C<sub>5</sub>  
{0} 12 0 {7} 12

Tonic Perfect 5th

C<sub>4</sub> A<sub>4</sub> C<sub>5</sub>

0 {9} 12

Major 6th

C<sub>4</sub> E<sub>4</sub> C<sub>5</sub>

0 {4} 12

Major 3rd

C<sub>4</sub> B<sub>b4</sub> C<sub>5</sub>

0 {10} 12

Minor 7th

C<sub>4</sub> D<sub>4</sub> C<sub>5</sub>

0 {2} 12

Major 2nd

C<sub>4</sub> D<sub>b4</sub> C<sub>5</sub>

0 {1} 12

Minor 2nd

C<sub>4</sub> B<sub>4</sub> C<sub>5</sub>

0 {11} 12

Major 7th