

# 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> C<sub>5</sub>

0 12

Tonic

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

0 7 12

Perfect 5th

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

0 8 12

Minor 6th

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

0 3 12

Minor 3rd

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

0 4 12

Major 3rd

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

0 6 12

Tritone

C<sub>4</sub> B<sub>4</sub> A<sub>4</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>4</sub> C<sub>4</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