

POST-TONAL THEORY

15 Feb 2019

Please turn in your homework and sign the attendance sheet!

WHEN DISCUSSING PITCHES

OCTAVE EQUIVALENCE

- -C = C no matter what octave. C4 = C5, etc.
- CDE in a melody context = CDE in a harmonic context

• ENHARMONIC EQUIVALENCE

- C# = Db, etc.
- C# E F = Db Fb F

PITCH vs. PITCH CLASS

- PITCH = A440 specific octave
- PITCH CLASS = A in any octave (or its enharmonic equivalent)

PITCH-CLASS INTEGER NOTATION

There are 12 pitch classes

0 = CI = C#2 = D 3 = D#4 = E 5 = F 6 = F# 7 = G 8 = G# 9 = A T = Bb $\mathbf{E} = \mathbf{B}$

4 2 0 2 4 4 4, 2 2 2, 4 4 4

PITCH INTERVAL

0 = unisonI = m22 = M23 = m34 = M3 5 = P4 6 = TT7 = P5 8 = m6 9 = M6 T = m7 E = M7

INTEGER NOTATION



OPI (Ordered Pitch Intervals)

- Count all the half steps between specific pitches... can be more than 12
- C4 up to G5 = +19 (octave + P5)
- C4 down to B3 = -1 (half step)
- Need + or to show direction

UPI (Unordered Pitch Intervals)

• Like OPI, using absolute value (no + or -)



MODI2

- Pitch classes run 0-E so there are only 12 possible numbers
- Use a clock face to help if you're confused
 - Pitch going up = clockwise
 - Pitch going down = counterclockwise