How to create meter and why (for beginning students)

#### JOHN ROEDER UNIVERSITY OF BRITISH COLUMBIA

#### A PRESENTATION TO THE PEDAGOGY INTEREST GROUP

#### SOCIETY FOR MUSIC THEORY MEETING ARLINGTON, VA, NOV. 3, 2017

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- Be fresh for experienced students but accessible to all

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- All standard first-year topics introduced in this context
- Survey of how segments are created in variety of styles (progressively more complex textures: melodic, contrapuntal, harmonic); medieval, Renaissance (etc...)....post-tonal, pop

#### Learning goals

Analog to a language course:

- Creative: be able to fashion clear sentences and paragraphs
- Analytical: be able to recognize and appreciate larger design (argument, narrative arc, etc.)

In music:

- Creative: be able to fashion a melody with a clear meter
- Analytical: recognize and appreciate how meter contributes to form (beginnings, endings and continuity of segments)

#### Learning goals

- How to determine the meter(s) of a rhythm aurally, or using only a score (without signature/bar lines)
- How to write an unaccompanied melodic phrase with a clear meter
- How to analyze the grouping structure of a monophonic passage and recognize its form
- How to justify an analysis of grouping structure and meter
- Explain how continuity, substance and closure are created in phrases

#### **Conceptual obstacles**

#### • Conflation of time signature and meter

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- o Unaware of "hypermetric" organization
- Insensitive to contrametric pulse and its possible continuity e.g. hemiola

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#### Conflation of meter and grouping

- Confusing segment beginnings with downbeats
- Confusing measures with segments









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(no tactus, no regular accent, no repeated motives ->
no meter -> no syncopation or cadence formula possible)

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#### Concept of pulse stream

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- May be experienced at different tempos
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#### How it is created

- Regular change or phenomenal accent
- May vary in strength/salience
- Not present right away -- gradually develops

#### Approach (2): analyze/verbalize

(Beethoven, Bagatelle)



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#### Approach (3): definition

We hear "meter" when we can hear/beat two or more different synchronized pulse streams...

- Not what meter is but when we hear it
- Sidesteps issues of competing conceptions (strong/weak, pulse hierarchy, single pulse as meter, projection, waves of attention)
- Keeps focus on pulse-stream continuity









# Approach (4): spiral up analytically

#### B&H edition ca. 1854



#### B&H 1885, ed. Brahms

Corni in C.

## Approach (5): apply creatively

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- By bringing out framework pitches (pitch hierarchy)



• (in polyphony) Cross pulses contribute to tension shapes of larger segments





#### Summary: "practical benefit"?

- Promotes clear composition/improvisation
- Cultivates awareness of how performance (articulation, timing, and phenomenal accent) affect phrasing and form
- Orientation towards very basic formal processes opens ears to less familiar styles
- Gives students the terminology and concepts to discuss some of their most powerful modes of engagement with music