

Lecture 3 - Time

1. ...How Time Passes...

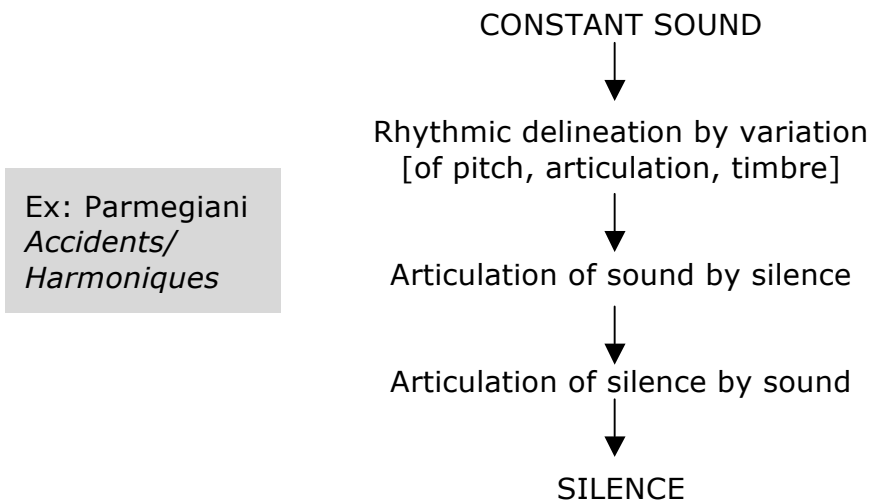
♦ Stockhausen -How Time Passes... [Die Reihe 3, 1957]

'Music consists of order-relationships in time: this presupposes that one has a conception of such time. We hear alterations in an acoustic field: silence - sound - silence, or sound - sound; and between the alterations we can distinguish time-intervals of varying magnitude.'

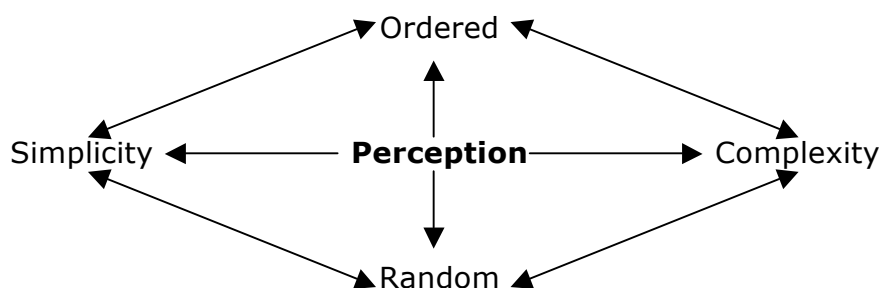
OR

'The perceptible temporal relationship of [sound] events' [PJ]

♦ Rhythmic Realisation



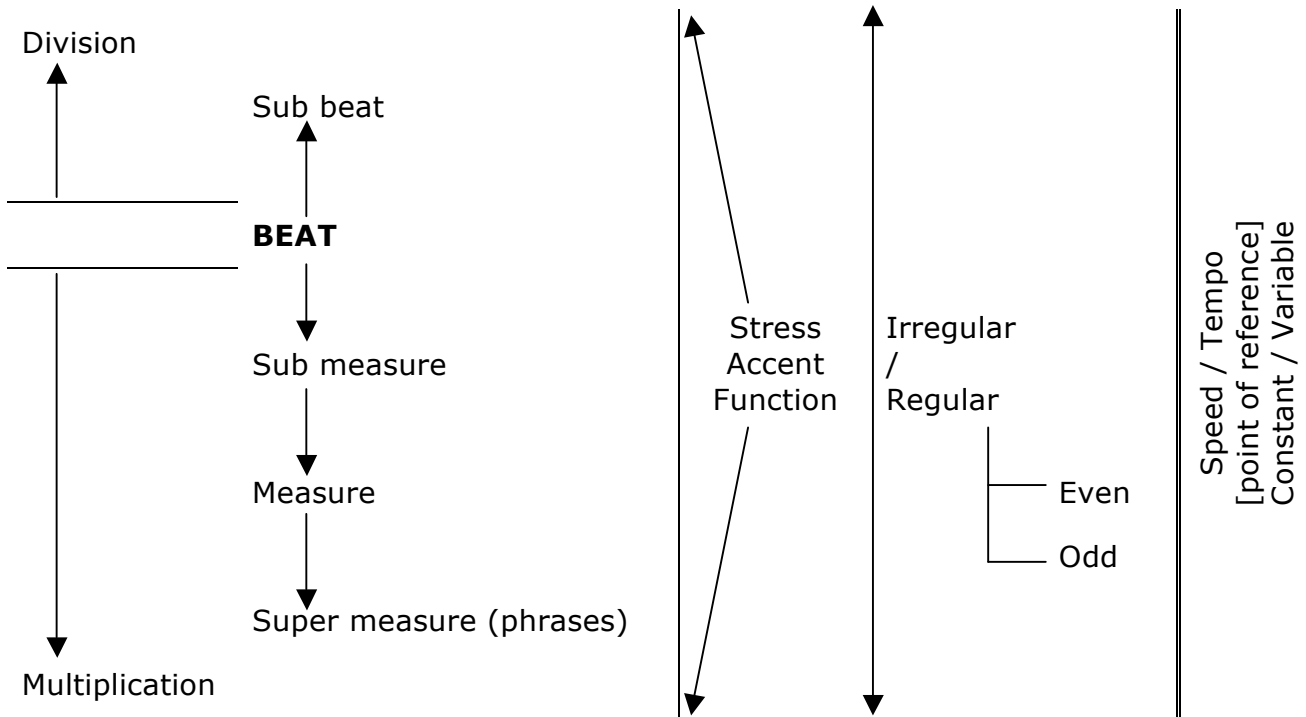
♦ Rhythmic Perception



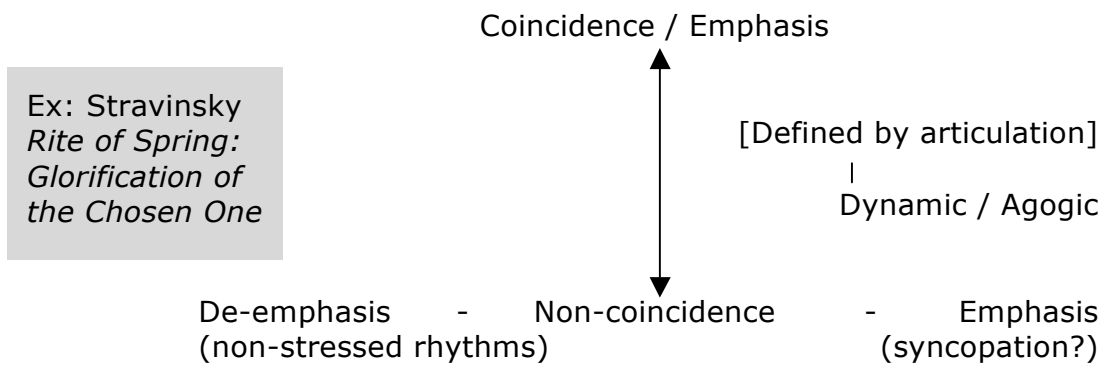
Mediated by memory...

Ex: Nancarrow
*Study for Player
Piano No. 48*

♦ **Metrical Rhythm**



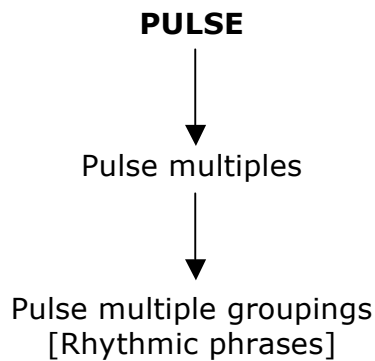
♦ **Function of Events**



Ex: Stravinsky
*Rite of Spring:
Glorification of
the Chosen One*

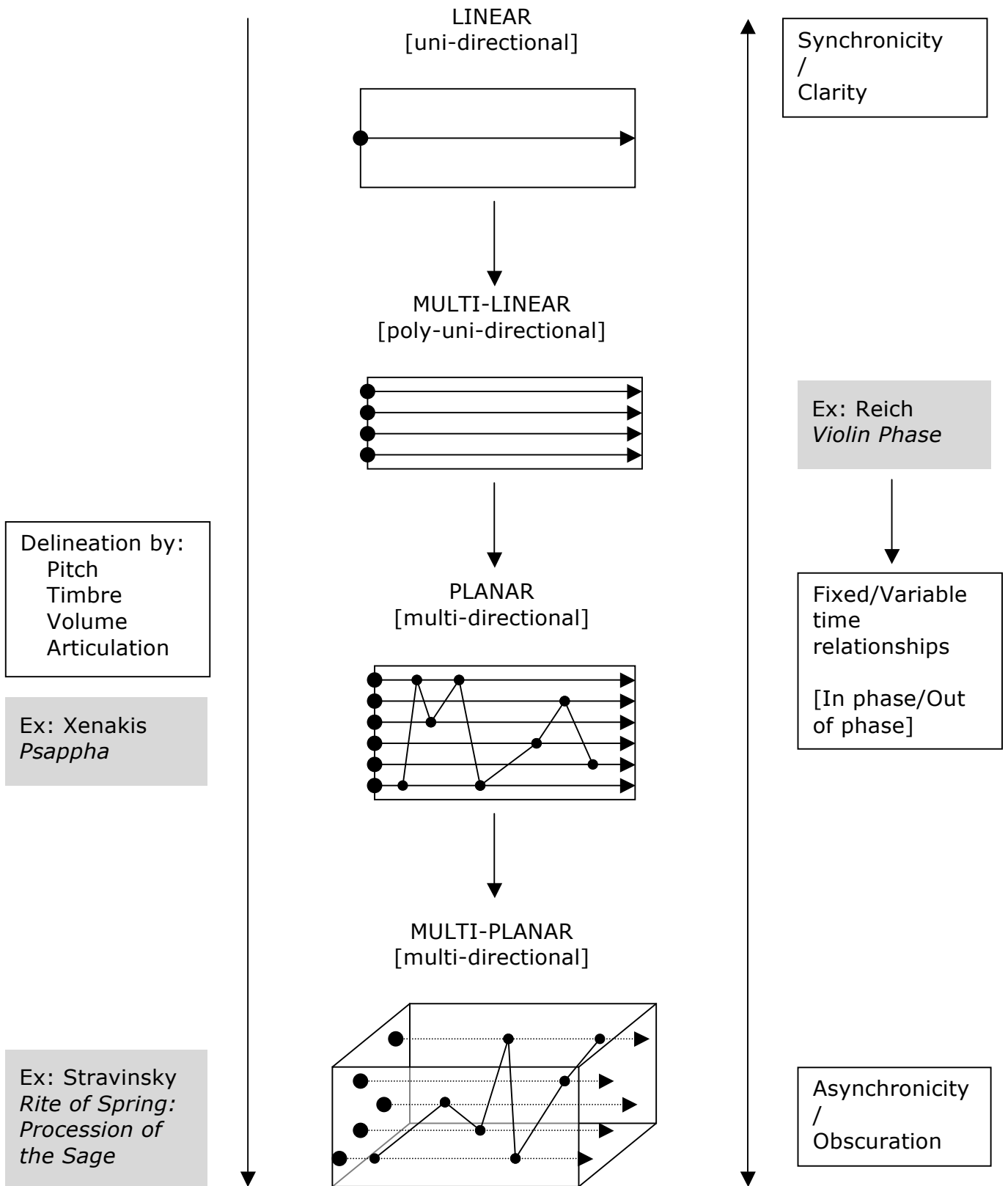
2. Additive Rhythm

♦ **Levels of organisation**

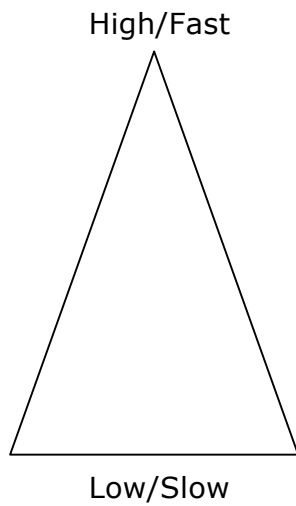


Ex: Messiaen
*Quartet for the
End of Time*

3. Structural Organisation



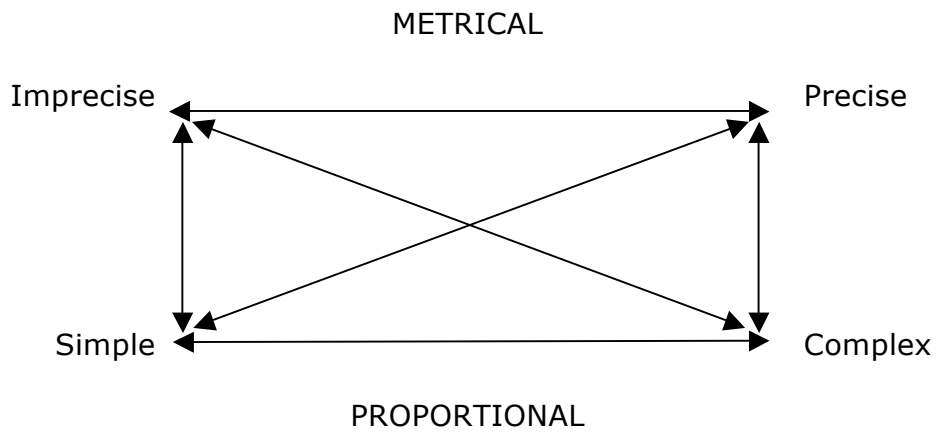
◆ **Pitch/Rhythm Pyramid**



Mediated by perception - ability/choice

Mediated by memory - the ability to recall/identify individual events as larger structural relationships

4. Notation



Examples of complex or indeterminate notation

Ferneyhough - *String Quartets, Carceri D'Invenzione*

Stockhausen - *Piano Piece XI*

Kagel - *Transicion II*

Logothetis - *Odysee*