Score Textures and Tracks

Music 253/CS 275A
Stanford University
Textural types

- Ensemble texture
- Keyboard texture

Beyond MIDI core examples
Tracks in keyboard music

- How many voices?
- When?

Bach: WTC I, C-Major Prelude: plucked arpeggios
Tracks in keyboard (harpsichord) music

- How many voices?
- When?

Bach: WTC I, D-Major Fugue
Tracks in keyboard (harpsichord) music

- How many voices?
- When?

Bach: WTC I, D-Major Fugue
Well-behaved [consistent] tracks (organ)

Bach: four-vioice chorale
Tracks in keyboard (piano) music

Harp-like passage

Hummel: Prelude No. 19

2-voice?
Tracks in keyboard (piano) music

Chopin: Mazurka, Op. 67, No. 1
Tracks in keyboard (piano) music

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Braille score typologies

- Ensemble texture = “open score”
- Keyboard texture = “bar over bar”
Braille music codes (in general)

- Braille MN developed in c. 1850
- **Six-dot cell**
- Many symbols redefined by context
- Has national dialects
- Has international governing body
- Dependent on impact printing

![Braille music codes diagram]
Braille MN: score types

- **Bar-over-bar**: piano music
- **Open-score**: intended for sight-singing
- **Short-score**: choral analogue of bar-over-bar
- **Section-by-section**: piano music or score
- **Single-line**: single instrumental part
Braille: Mozart trio encoding (clarinet only)

Setup data

Bars 0, 1
Mozart “Turkish March” in Braille MN

Bar 89

Bar 90

Bar 91

Bar 92

R.H.
Mozart “Turkish” March: domain dissection

MIDI (pitch) data
Mozart “Turkish” March: domain dissection

MIDI (pitch) data
Mozart “Turkish” March: domain dissection

MIDI (pitch) data

Slurs
Slur orientations
Mozart “Turkish” March: domain dissection

MIDI (pitch) data

Slurs
Slur orientations

Beams
Beam slopes*
Beam lengths*
Musical structure: notation-sound conflicts

Score structure
- Da capos
- 1st, 2nd endings
- Upbeat complements

Sound file-structure
- Recap point?
- Repeats happen or not*
- 2nd endings with transitions may not compute**

* affects total number of bars
** where 1st time has upbeat, repeat point has downbeat

Notation>sound translation

Sound specs precise, Graphics specs free to modify
Encoding transposing instruments

- MIDI: sounding pitch
  Clarinet in A
- Score/part: written pitch
  Strings in A, Clarinet in C