Some Experience with MusiXT_EX

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In parallel with 'classical' studies (Mathematics, Computer Science):

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I played in various orchestras (sometimes as a conductor).

As a composer

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Symphonies, concertos, chamber music pieces.

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Atonal style, then synthesis between tonality/modality and atonality.

What is MusiXT_EX

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Stalled, since Daniel Taupin's death.

Three-step system

- [pdf]latex filename
- musixflx filename
- [pdf]latex filename

Aim to get high-quality print outputs.

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But LATEX and ConTEXt allow texts to be *reused* and *reworked*.

Only a few marginal points are to be performed once, at last. E.g., fixing misplaced marginal notes.

MusiXT_EX

Not! If you forget an accidental, you may have to rework vertical alignment!

Difficult typography

A score reads two ways: horizontally and vertically.

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A score is not a text in Scheme or XML: groups may overlap!

MusiXT_EX's way

Writing w.r.t. vertical reading.

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Opening and closing groups that match are labelled by *numbers*:

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Writing w.r.t. vertical reading.

Opening and closing groups that match are labelled by *numbers*:

Very complicated \Leftarrow use of *preprocessors*.

NoteEdit

Interactive.

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Generates MIDI files and input files for MusiXTEX.

Telescoping.

Telescoping.

Bad beams.

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Crescendo and decrescendo signs misplaced.

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Bar/key/signature changes.

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Bar/key/signature changes.

MusiXTEX has its own size system.

The same note played with two different strings.

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Slurs between notes and rests.

The same note played with two different strings.

Slurs between notes and rests.

Tremolo on beamed notes.

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Harmonic notes.

In music, notes are written w.r.t. the technique used to produce them:

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• transposing instruments

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• harmonic notes,





• transposing instruments (counter-examples for general scores: Górecki, Penderecki).

Transposing instruments

Tema, played by a clarinet in Bb:

or by a clarinet in A:



Repetitions

Only few pieces do not include *repetitions*. Not handled by MusiXTEX.

Ending

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First experience of reworking a musical text.

Con'd

Presented as a promising way: LilyPond

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Presented as a promising way: LilyPond \Leftarrow to be investigated.

If you want to be played, write for *flexible* ensembles \Longrightarrow transposition procedures, adjusting special effects.