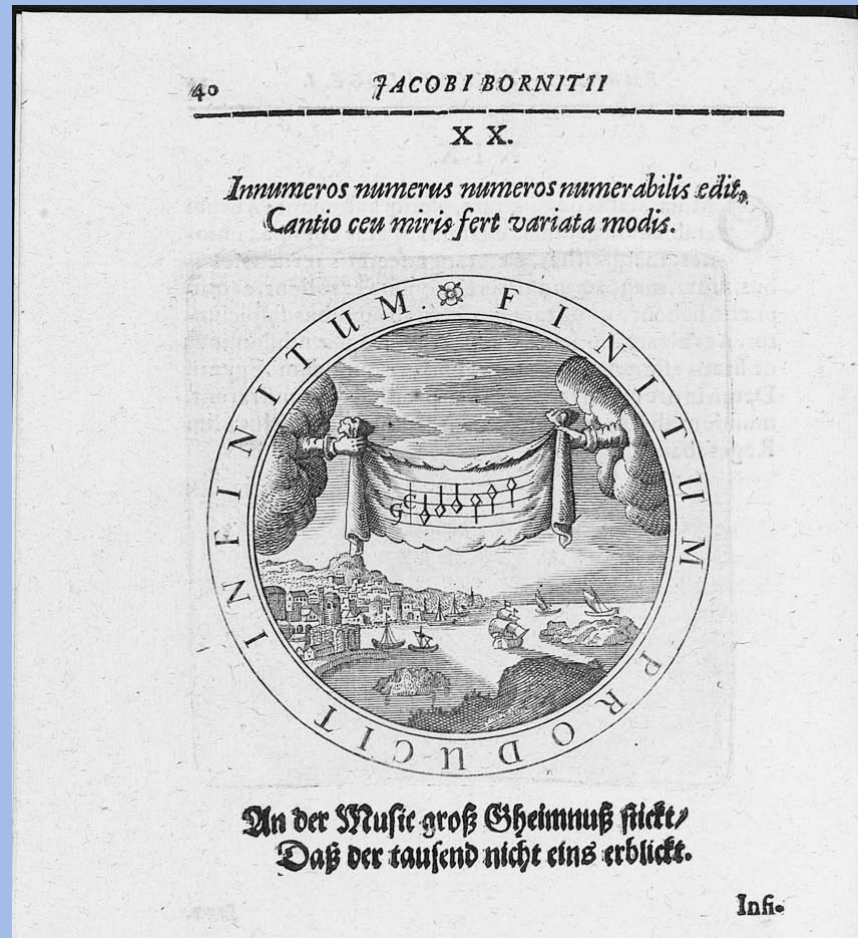


Das Digitale Bild im Dialog

IIIF and Music

Cristina Urchueguía
Andrew Hankinson
27. October 2020



The relationship of music to images

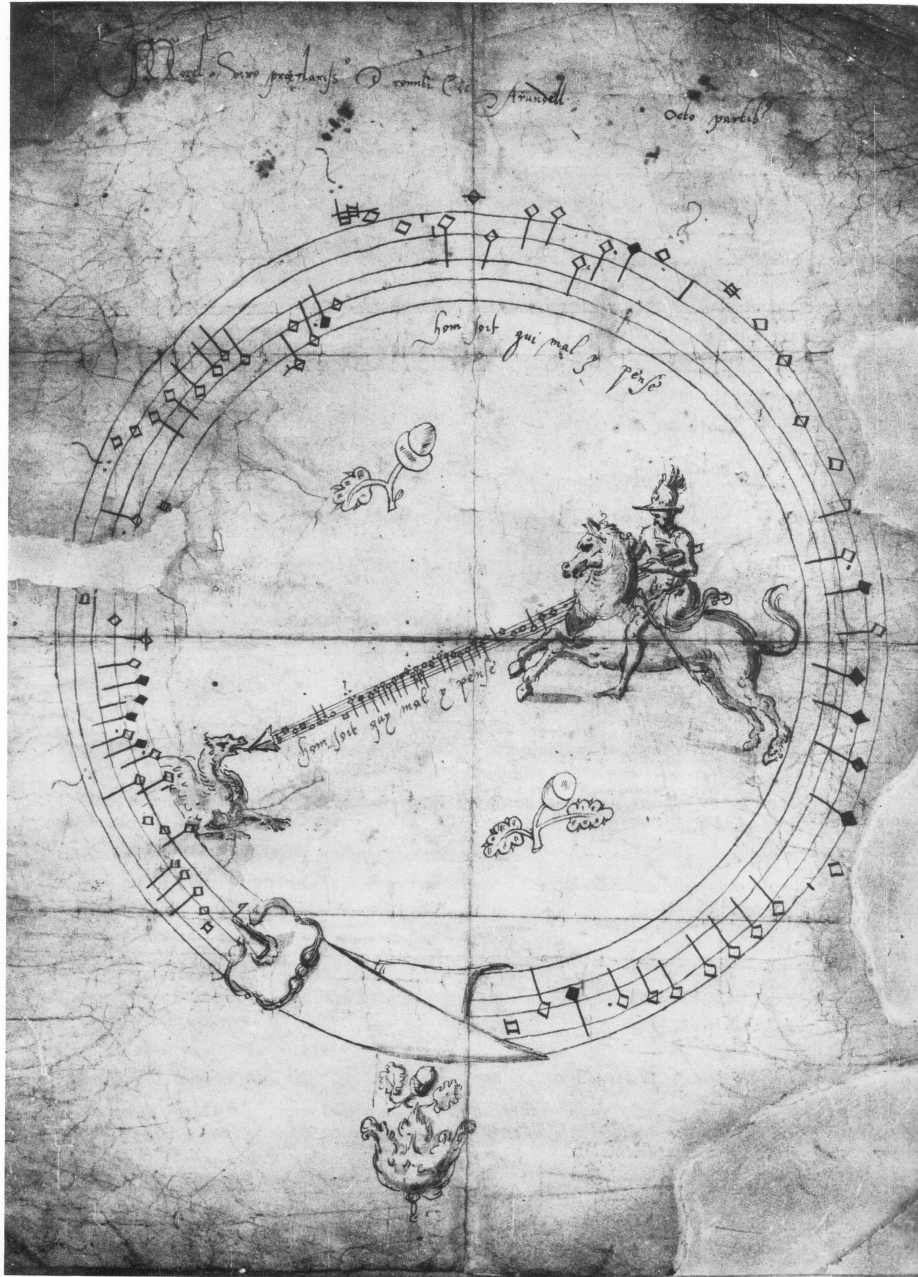
- > Music notation can be transmitted surrounded by images.



Chigi Codex. ca. 1500

The relationship of music to images

- > Music notation can be transmitted surrounded by images.
- > Music notation can be included in images and include them at the same time.



This page appears sideways, with the top to the left, in the original manuscript.

London Royal 8G vii The hymn of the Order of the Garter ca. 1560

The relationship of music to images

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- > Music notation can be included in images and include them at the same time.
- > Music notation can be an image.

Baude Cordier
*Belle bon sage, ca.
1390*

M. Baude Cordier

Belle bon sage plus que esgar
Le bon sage de son monde le plus bon
qui est le plus sage
Ence Belle bone
Omba Belle bone

De voir par ce don ne foyez l'ame se vous sçavez ma
seule dame sçavez. Belle bone sçavez.
Car tant vous am q'adonna n'ay mon entente.
de se sçavez q'vous estes seule celle qui sçavez
mes que d'afin vous appelle. fleur
de beaux sur toutes excellentes
Belle bone ...

Non fidemur cum
est aliter

Qua fides inno cuncta arborosa no bilit, nulli fides galem pro
fert fronde floce gramine, dulcor lignum, dulcor clauca, dulcor pondus sustinet.

una nobilit.

Nulla fides salua
pro

Non fides floce gramine, dulcor lignum, dulcor clauca
dulcor pondus sustinet.

Quatuor vocū. Lud. Senfl. Canon
Misericordia & Veritas obtulerūt sibi,
Iusticia & Pax obolatur fons.

Ludwig Senfl, ca. 1540

The relationship of music to images

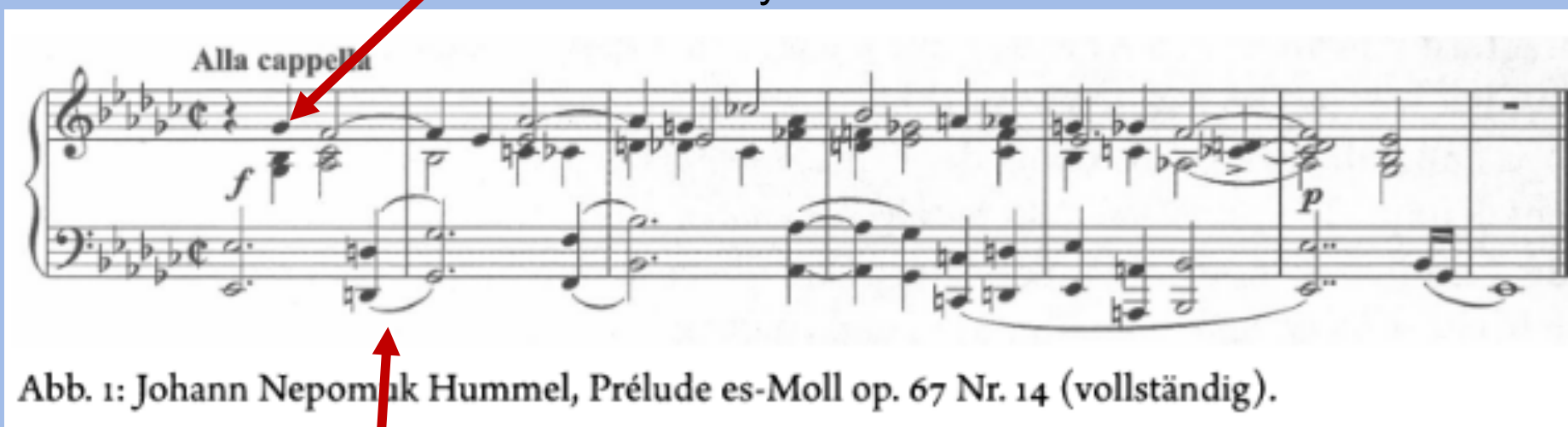
- > Music notation can be transmitted surrounded by images.
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These instances are not the norm but exceptions.

- > BUT the most important link is that

music notation is a **hybrid** semiotic system that consists of the combination of discret letterlike signs with graphic items.

The meaning of the note depends on its position in the staff and the type of sign. But it can be transformed by the slur.



Allegretto

Abb. 1: Johann Nepomuk Hummel, Prélude es-Moll op. 67 Nr. 14 (vollständig).

The meaning of the slurs depends on its length and position in respect to the notes.

The relationship of music to images

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These instances are not the norm but exceptions.

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music notation is a **hybrid** semiotic system that consists of the combination of discret letterlike signs with graphic items.

Sometimes musical signs may even be ambiguous in terms of semiotic appertaining.

Semiotic ambiguity

Sharp is a so called *accidental* that heightens the pitch half a tone, but here it also refers as image of a cross to the lyrics (Kreuz) and enriches the symbolic texture.



The image shows a musical score snippet in bass clef, 3/4 time, with a key signature of two flats (B-flat and E-flat). The lyrics are "Ich will den Kreuz - stab ger - ne". The word "Kreuz" is underlined in red. A sharp accidental (#) is placed above the first note of the word "stab", and this sharp is circled in red. The music consists of two staves: the upper staff is the vocal line and the lower staff is the piano accompaniment. The sharp accidental is positioned above the first note of the word "stab" in the vocal line.

Mimicry

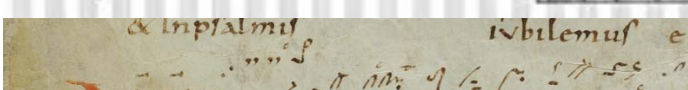
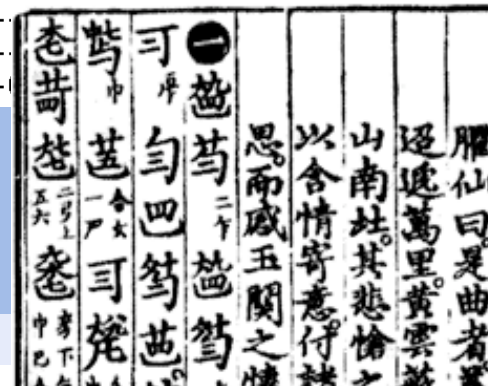
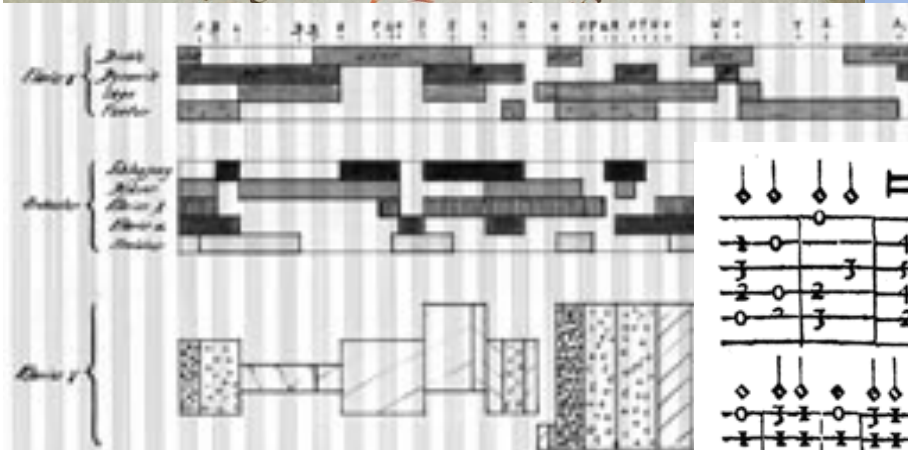
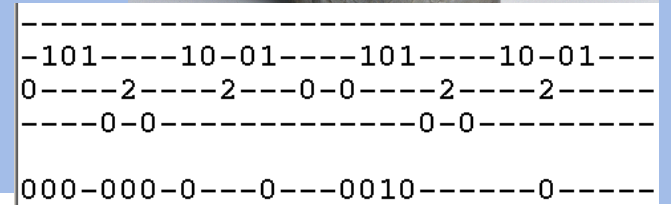
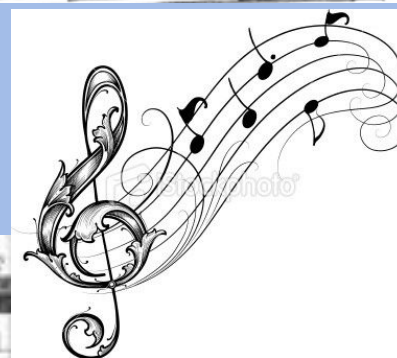
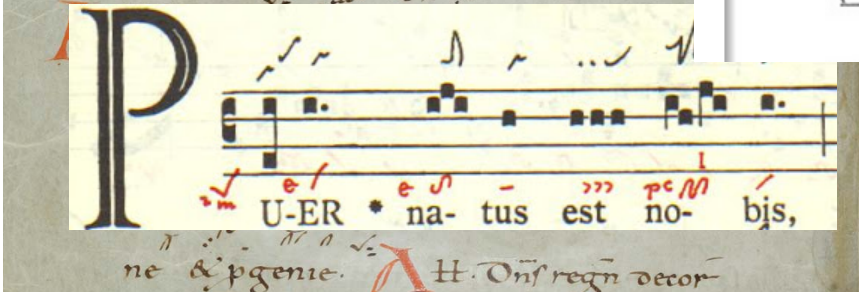
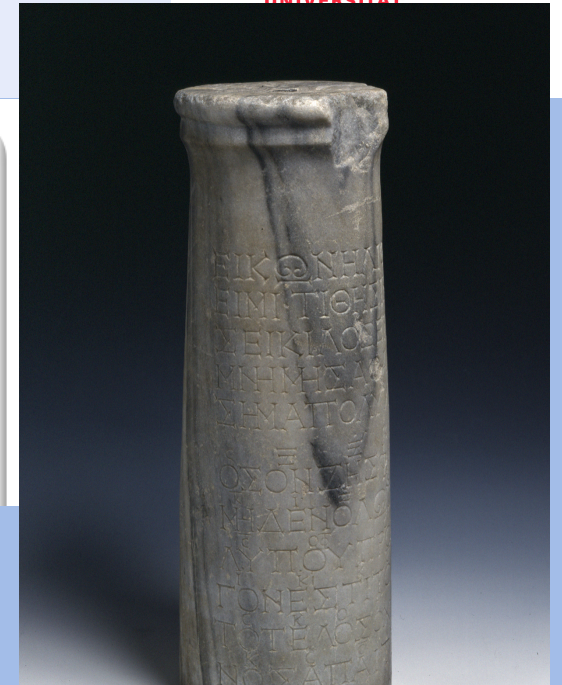
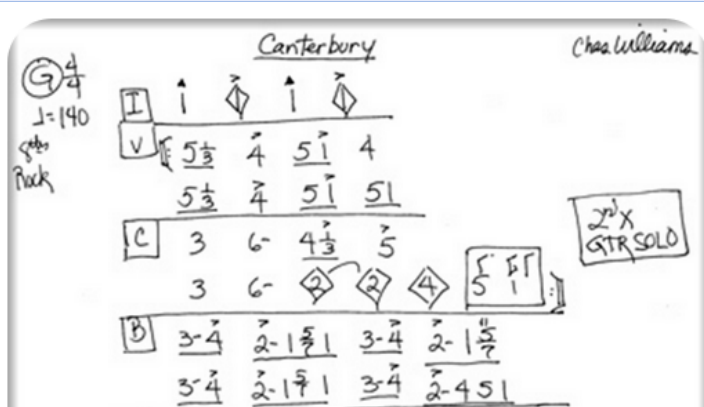
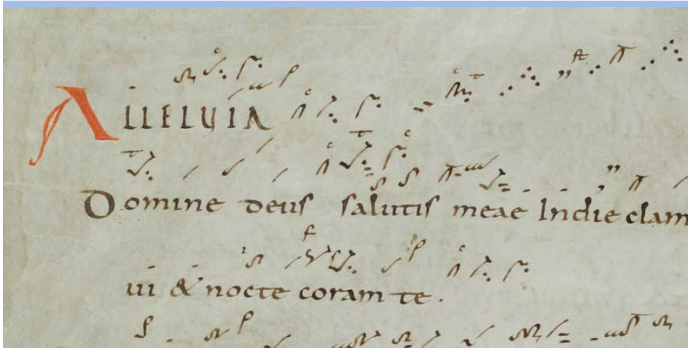
Telemann
Gulliver Suite

Liliputaner are
composed with
tiny notes

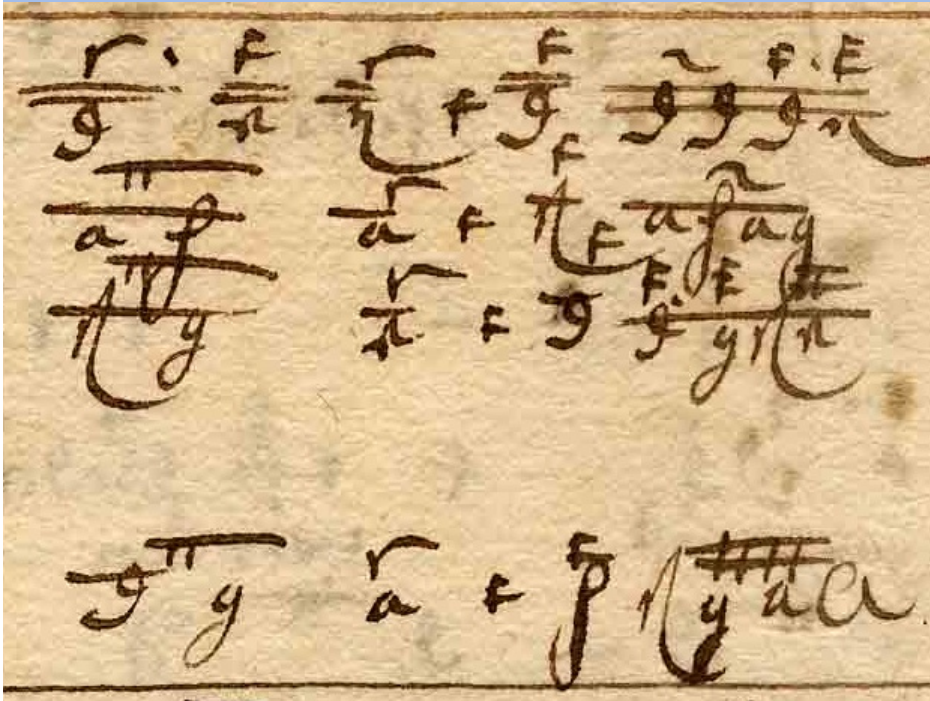
*Der Grosse
Brobdingnag*
sounds with big
note.



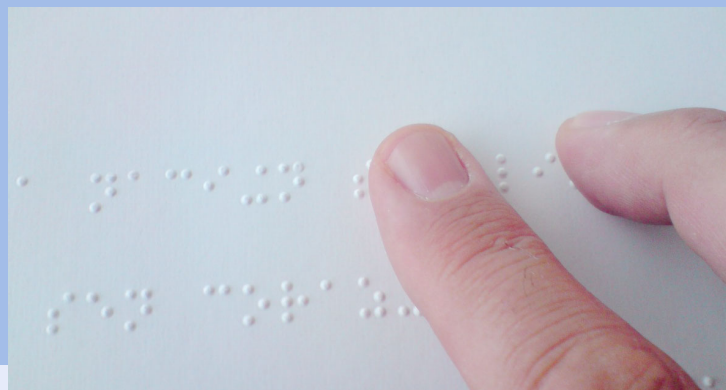
There are hundreds of different notations in history. Samples since 117 a.Ch.



There are hundreds of different notations being used simultaneously.



Franz Tunder: Sinfonia
German Organ tablature



Braille Musiknoten

zeile)

Notation is highly dependant u^b on location.

Guillaume de Machaut
Ma fin est mon commencement
 vor. 1377
 Paris Bibliothèque Nationale
 Fonds français 22546

Ma fin est mon commencement
 Et mon commencement ma fin
 Est teneüre vraiment

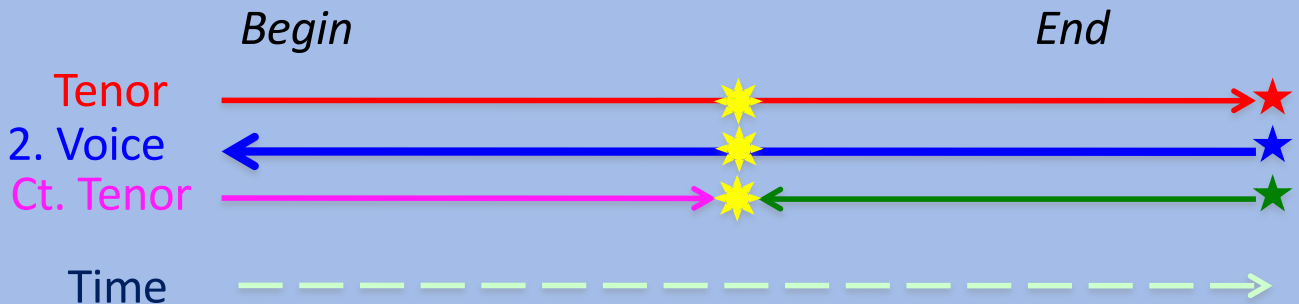
Mein Ende ist mein Beginn
 Und mein Beginn ist mein Ende
 Der Tenor ist wie er steht.

Ma fin est mon commencement.
 Mes tiers chans trois fois seulement
 Se retrograde et ainsi fin.

Mein Ende ist mein Beginn
 Die dritte Stimme nur dreimal
 Dreht sich um und endet.

Ma fin est mon commencement
 Et mon commencement ma fin.

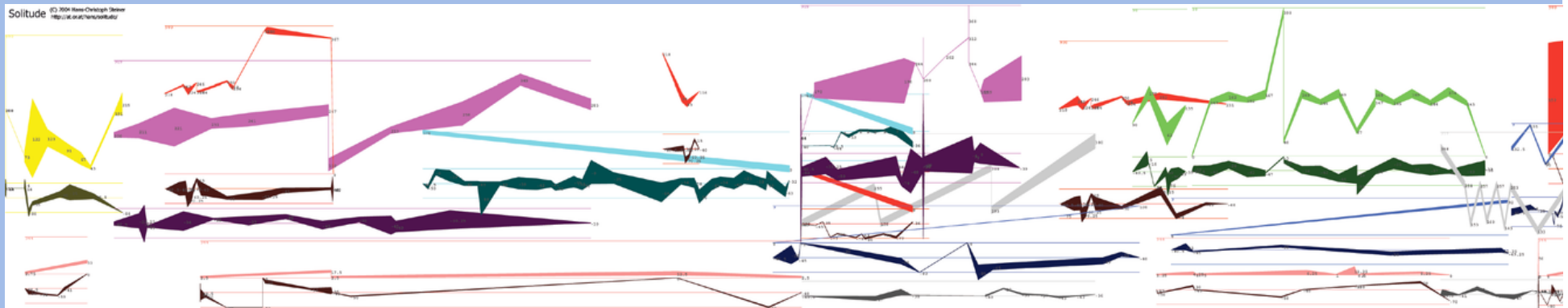
Mein Ende ist mein Beginn
 Und mein Beginn ist mein Ende



What about sound in the digital era?

Bits and bytes can be „transmuted“ into any kind of expression.

Digitalizations creates a permeable membran between sound, image and notation.



Hans-Christoph Steiner's score for *Solitude*, created using *Pure Data*'s data structures.

And music notation has been used as image in the visual arts.

Moritz von Schwintdt
Katzensymphonie
1886



How can IIF contribute the the digital use of music taking into consideration the specificity of musical Notation as semiotic hybrid, historical changing, manifold?