

SYNCHRONY

(MULTIMODALITY IN ART-THERAPY)

ZSOLT GYENES DLA, DR. HABIL,
KAPOSVÁR UNIVERSITY
FACULTY OF VISUAL AND PERFORMING ARTS, HUNGARY
EMAIL: DYENES@GMAIL.COM

TÁMOP-4.2.3/08/1-2009-0016

Why could be so important the multimodality (the unity of senses) in the art-therapy?

We perceive our world multimodally.

Our topic may arouse numerous questions. (E. g.):

- How does one medium affect the other?
- Is some kind of language, which is capable of securing a passage between the modalities (mediums)?

The new capacity and flexibility of computer, that it can fuse between the mediums comes into prominence in our days.

This new type of synthesis creates the world of metamedia, or post-media.

Visual Music (VM) is a special art-genre.

It refers to the use of musical structures in visual imagery.

There are a variety of forms of Visual Music, (particularly as the field continues to expand).

Defining Visual Music

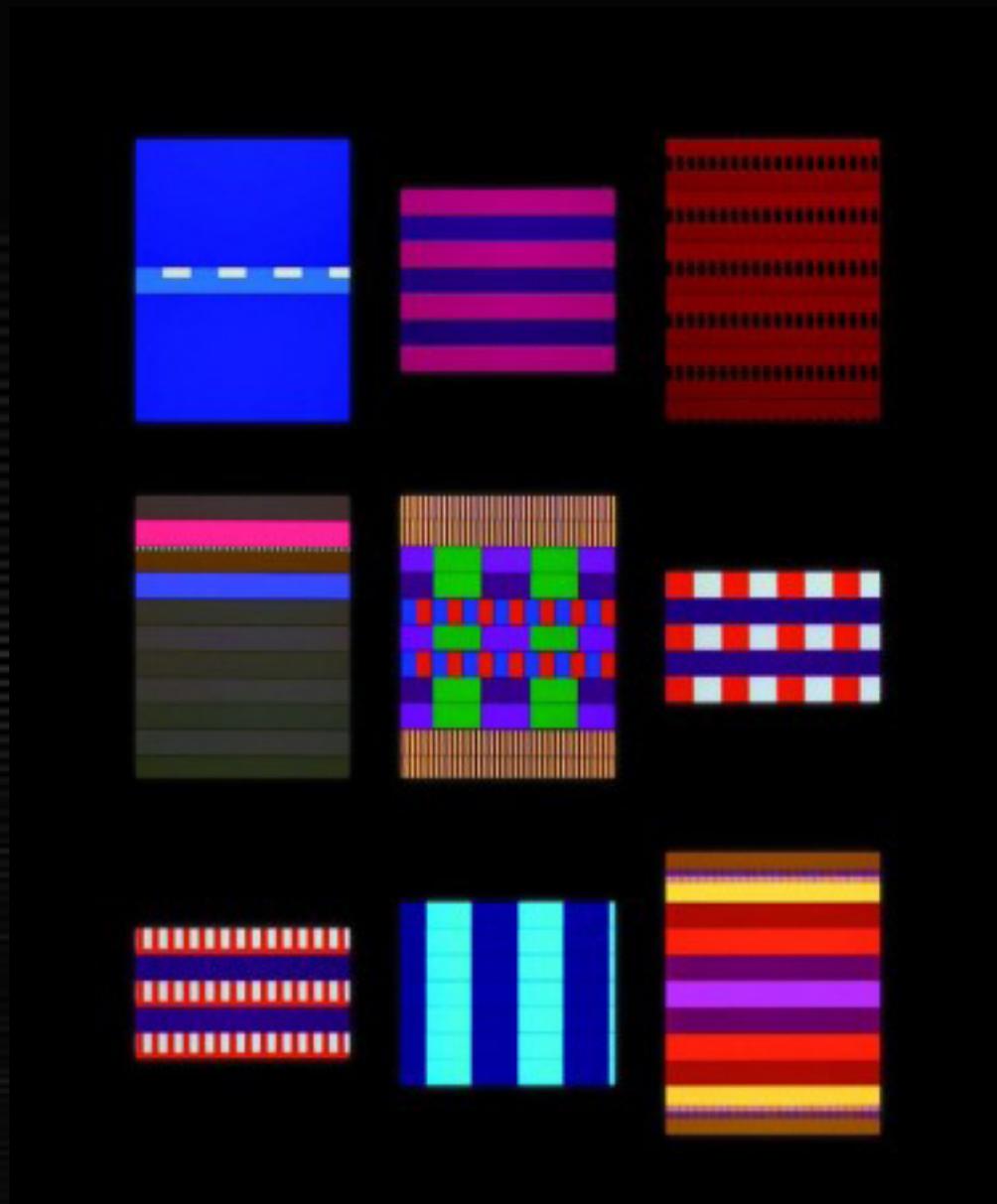
Type	Medium, Sound	Short description, examples
I. Static Visual Music	2D 3D (Intermedia) (Silent)	Interpretation, translation music to visual (still) composition. (e.g. Klee, and compare with Abstract Art)
II. Dynamic Visual Music	(Intermedia) Motion picture Silent or Sound	Time-based visual structure. Composition created visually but as if it were an aural piece. (e.g. Eggeling, Fischinger, and compare with Abstract Film)
III. 'Pure' Visual Music	(Motion Picture) New medium (Hybridity) Sound	Literally, what you see is also what you hear. Direct or 'metaphoric' translation of image to sound or music. The reverse is applicable also: convert sound/music into visual forms. It can be interactive. Synthesis. (e.g. „Lightrails” – http://www.lightrails.net , 2010, Gyenes-Szigetvari: „CT” – http://www.gyenes62.hu , 2010)



1. Static VM - e. g. Paul Klee: Fugue in Red, oil painting, 1921



2. Dynamic VM - e. g. Viking Eggeling: Symphony Diagonal, 1921, still from the silent film



3. Pure Visual Music - e. g. Norman McLaren: Synchrony, 1971, stills from the animation (sound)

By the aid of the software and hardware the Visual Music get more attention again.

Everybody has a chance to create multimedia art (total work of art, 'Gesamtkunstwerk').

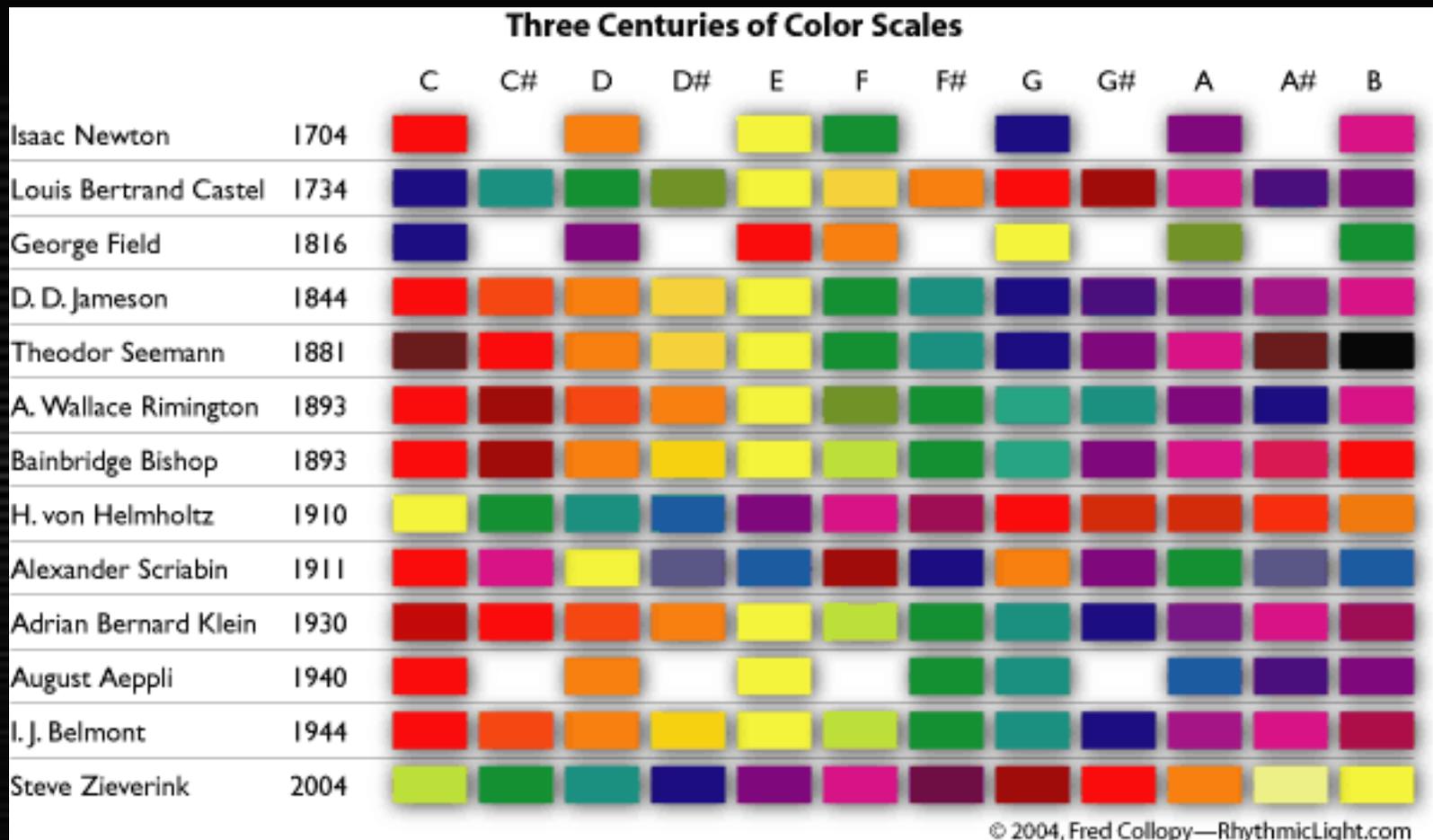
The former mediums (photography, video, audio, animation) join in the "melting pot" of the binary codes (post-, or metamedia).

The transformations between text, sound and picture generate an entirely new type of art (by the aid of computer).

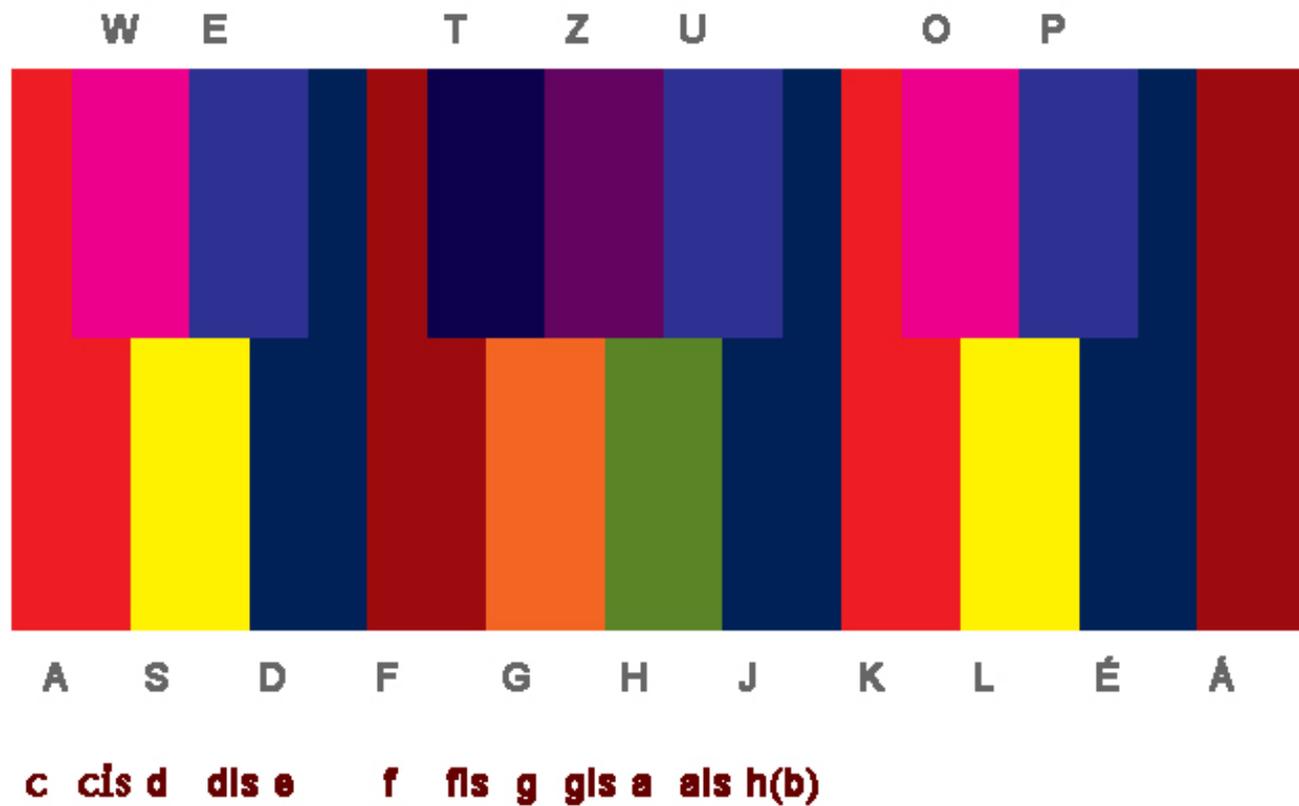
There is no common physical denominator to color, light and sound, yet they come to a common foundation on the digital platform (binarity) and the passage becomes possible between of them.

(There are a lot of problems of color-tone analogies. E. g.:)

Colors blend, red and blue become violet, for example. Two tones, *g* with *a* (e. g.) by contrast, do not create *ais*.



Color-Tone Analogies from 1704 to 2004 by Fred Collopy



ALEXANDER SCRIBIN 1911

Color-tone analogies of Scriabin

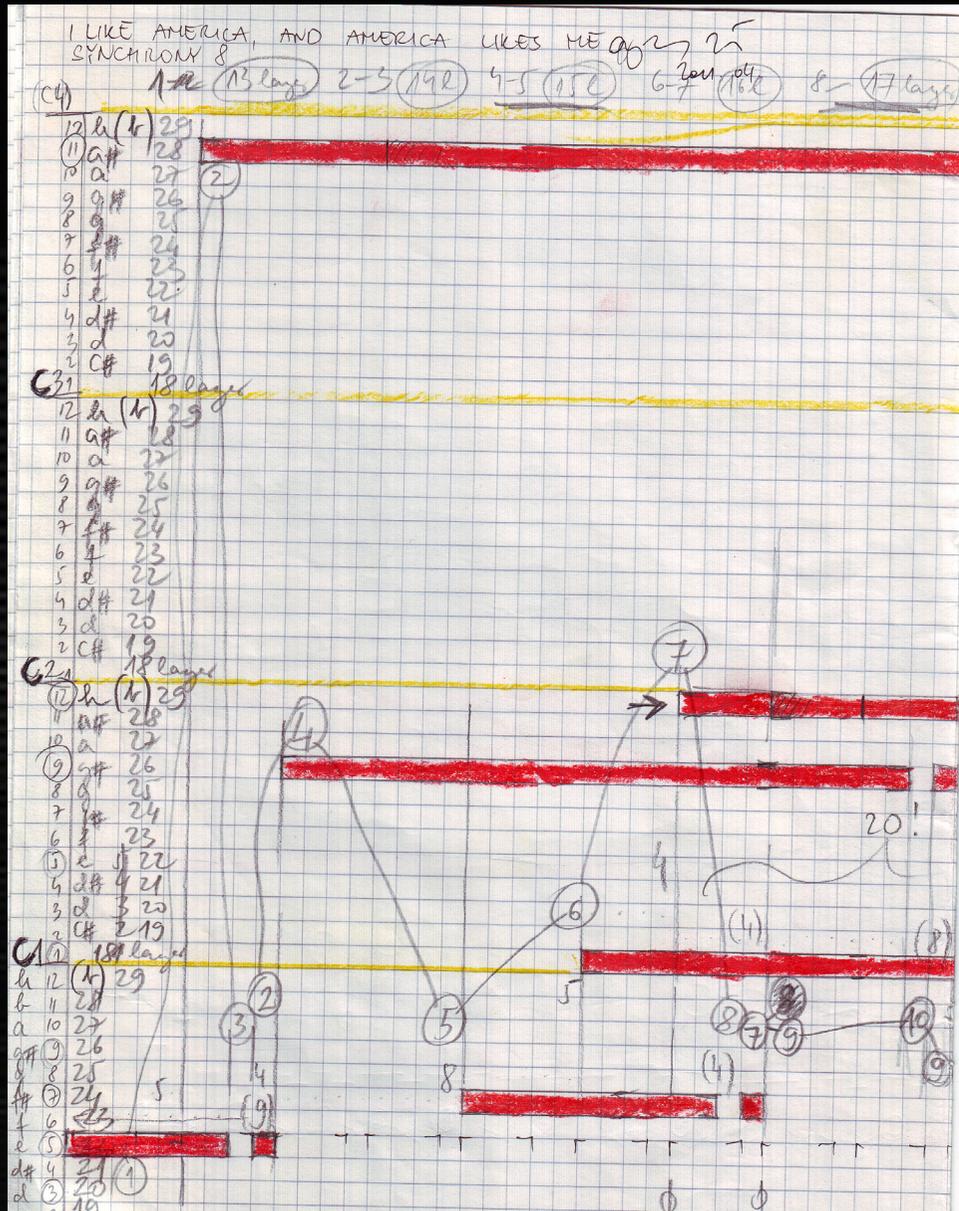
Synchrony (Synthesis of Text, Sound and Image)

I have started such an experiment of media art, where the starting points in every case are chosen, or written text-fragments (sentence, slogan, title).

(Zsolt Gyenes: Synchrony 1-12, 14, Visual Music, 2010-2011:

Hey Water, Hey Fire!, Hey You've Got To Hide Your Love Away, Erik Satie's Vexations, L.E.D., Across The Universe, How Do You Say, None Of Us Is As Good As All Of Us, I Like America And America Likes Me, Good News For Modern Man, Prelude, Dance Of Death, So Do Not Worry About Tomorrow, Dim Image In A Mirror)

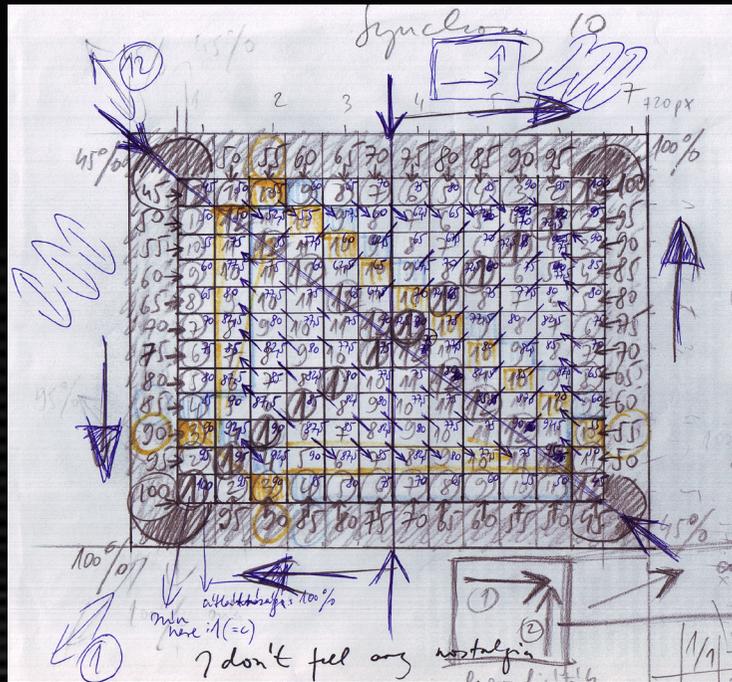
These text forms are transformed to sound by the help of Braille-writing and geometrical structures.



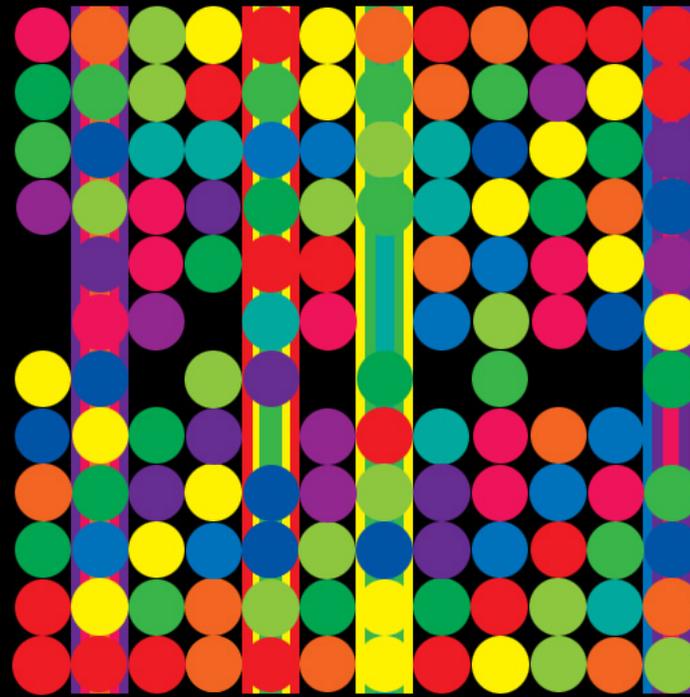
The texture of the text is similar to the structure of the music.

In connection with the 'Synchrony' the text/sound joins with visual elements (animation).

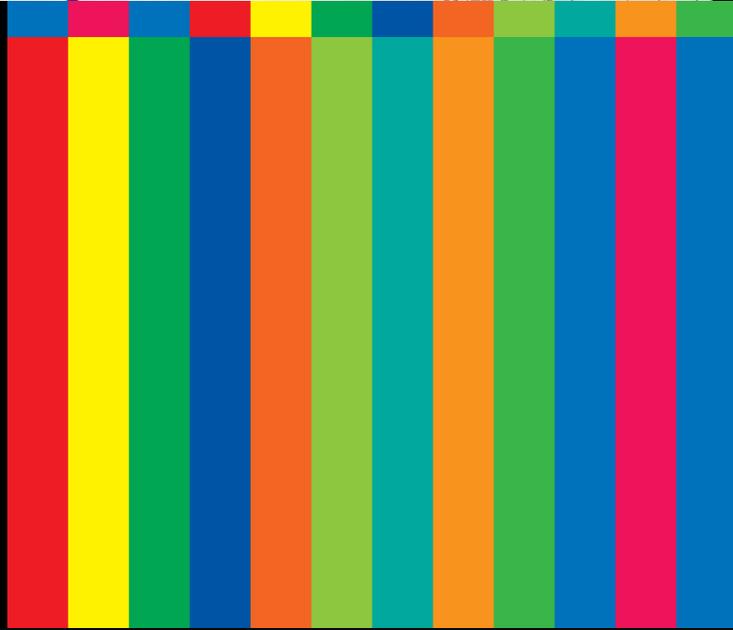
Score (detail)

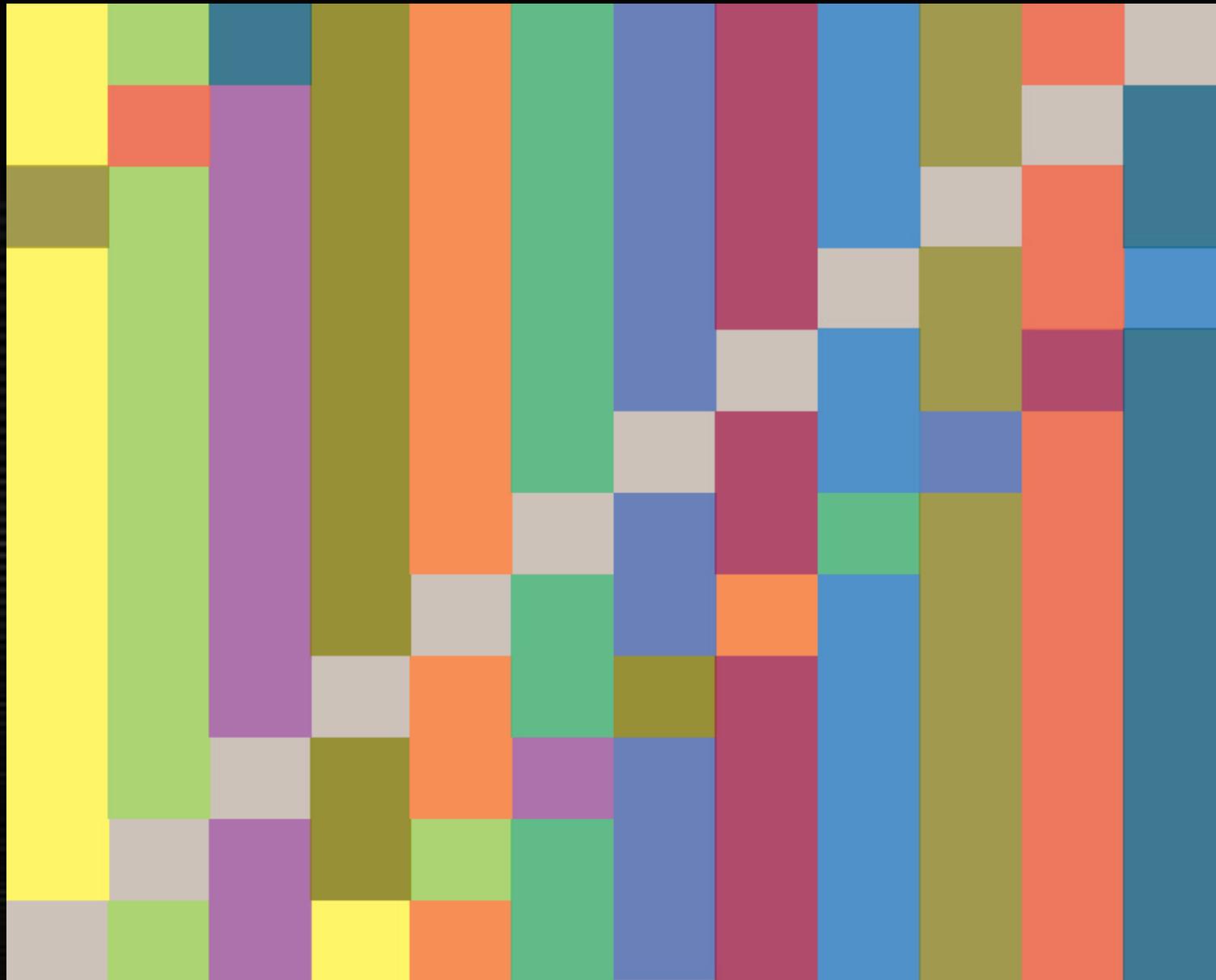


Scheme of a "Color-Organ"

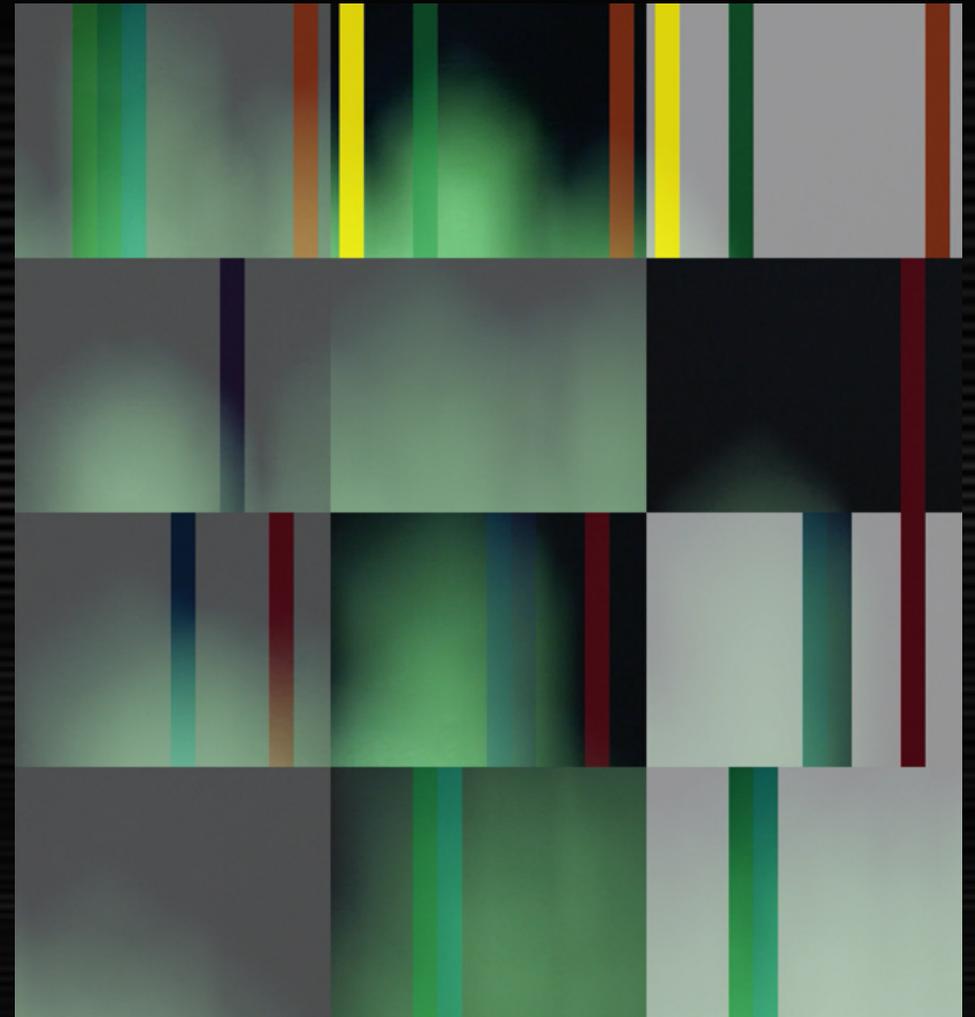
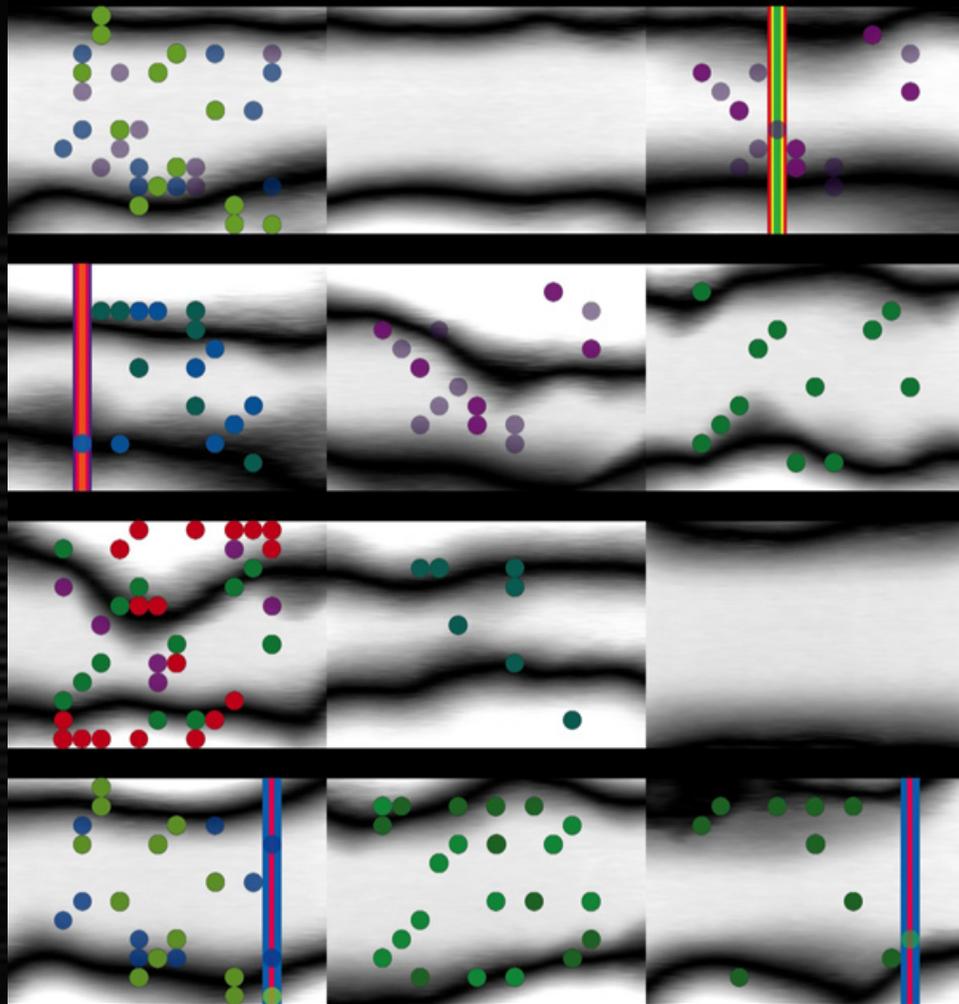


Different "Color-Organ" (Synchrony)

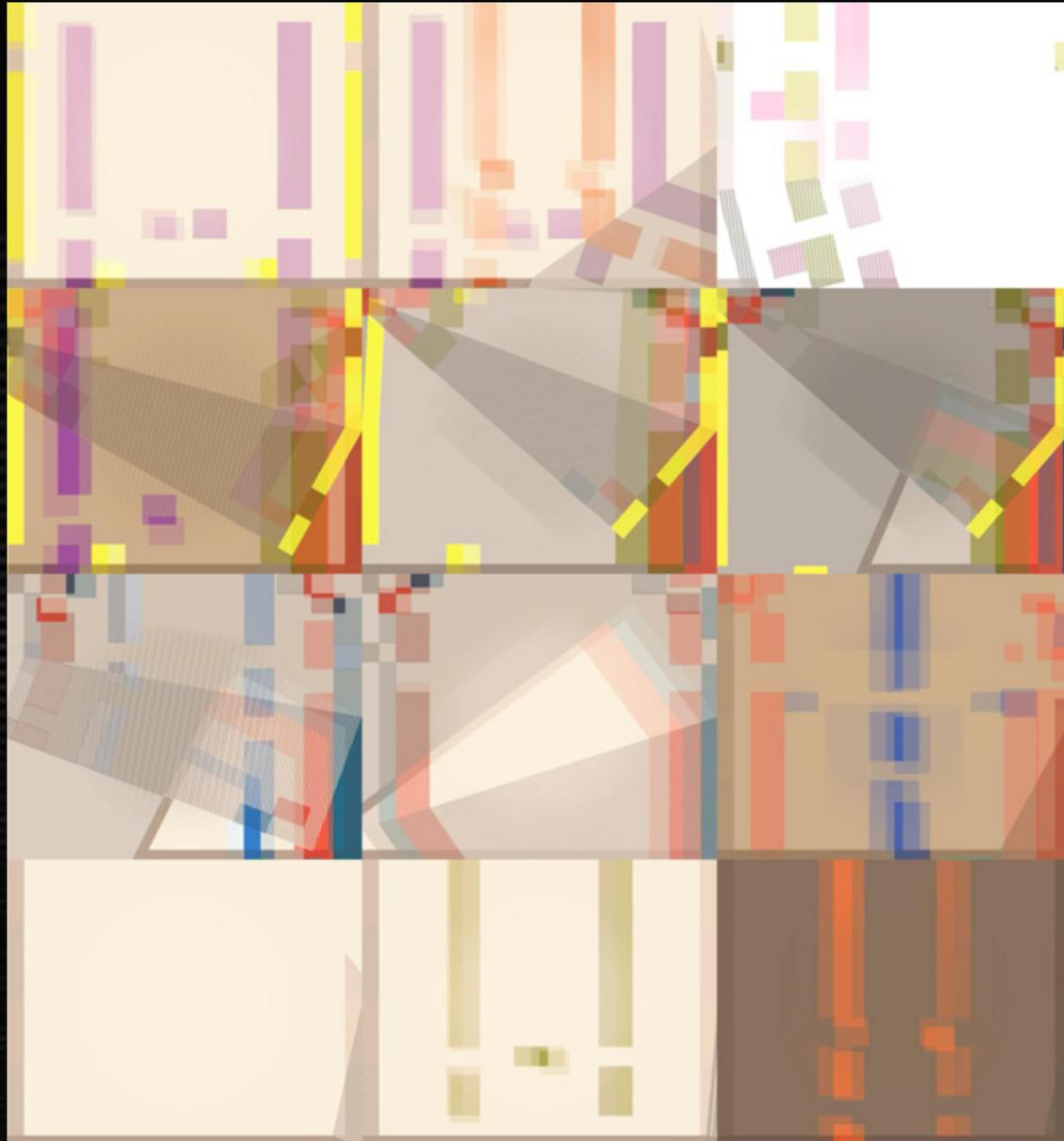




Virtual (Digital) Color-Organ (Synchrony 11, 12, 14, 2011)



Still pictures from Synchrony, 2011.



Still pictures from Synchrony 12

As a media-artist I seek for the 'natural passages' between the various mediums.

The correspondences have two features:

- strictly mechanics (e. g. relationships of colors and sound) and
- based on free associations.

(Synchrony, extracts, mpg2)

Internet:

Synchrony1: http://www.gyenes62.hu/2009_p.html

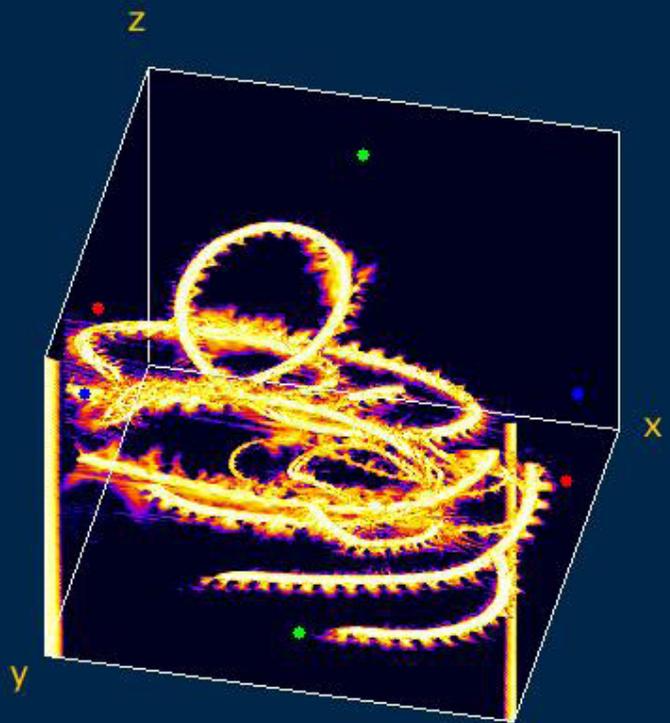
Synchrony12: <http://www.youtube.com/watch?v=h2quCyWOib8>

Interactive Visual Music, Live Electronics

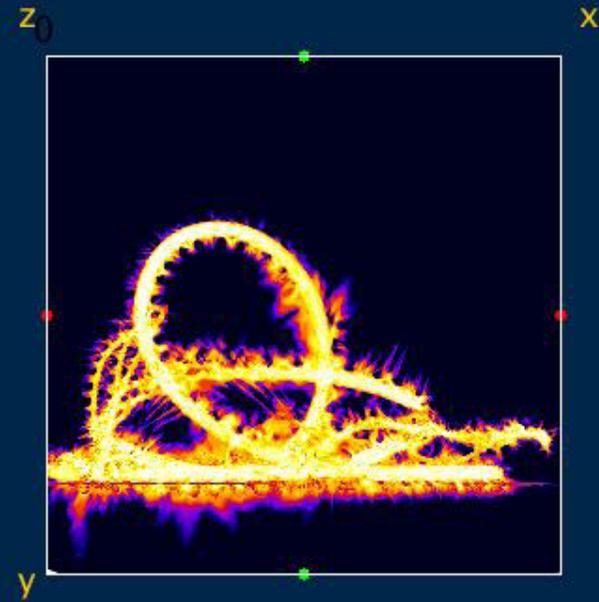
By the help of creative uses of new media technology, we can realize a new interactive forms of Pure Visual Music. We can create a 'virtual musical instrument' by the manipulation of sound and picture in real time, handling the visual information as sound.

The phases and the making of the artwork "CT":

- making Computed Tomography photographs of installing constructions (wire-compositions)



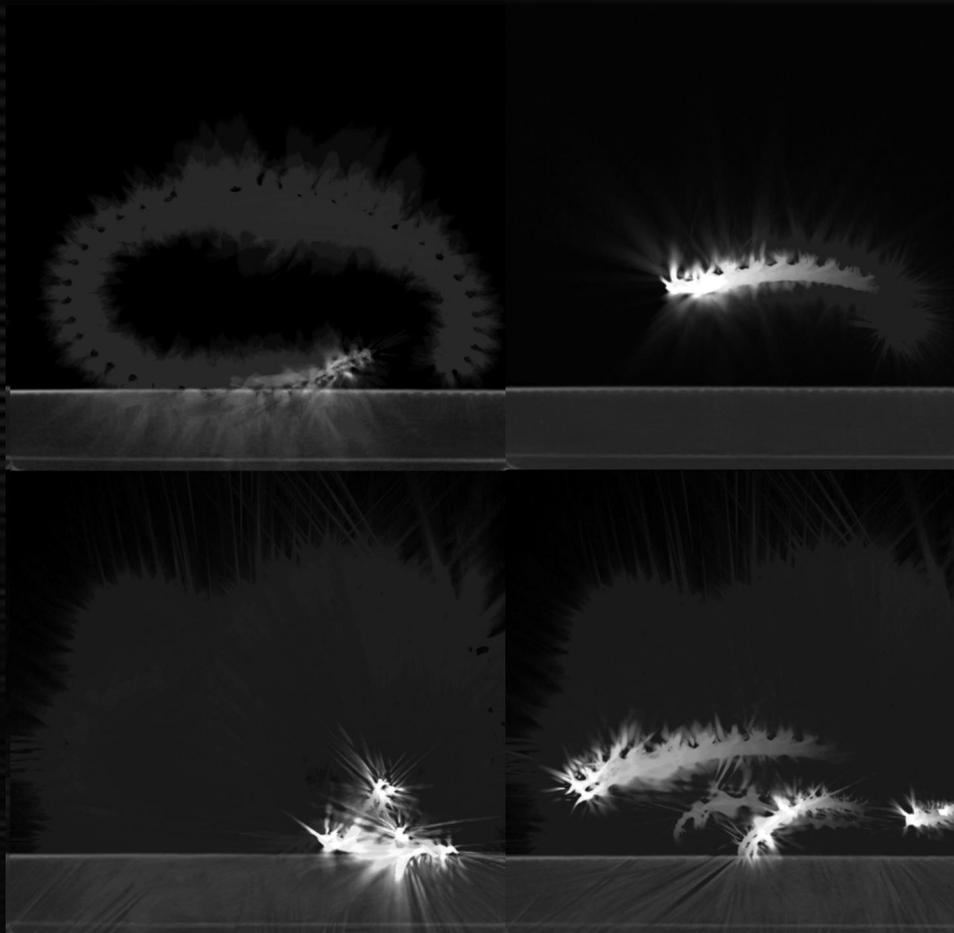
Volume Viewer



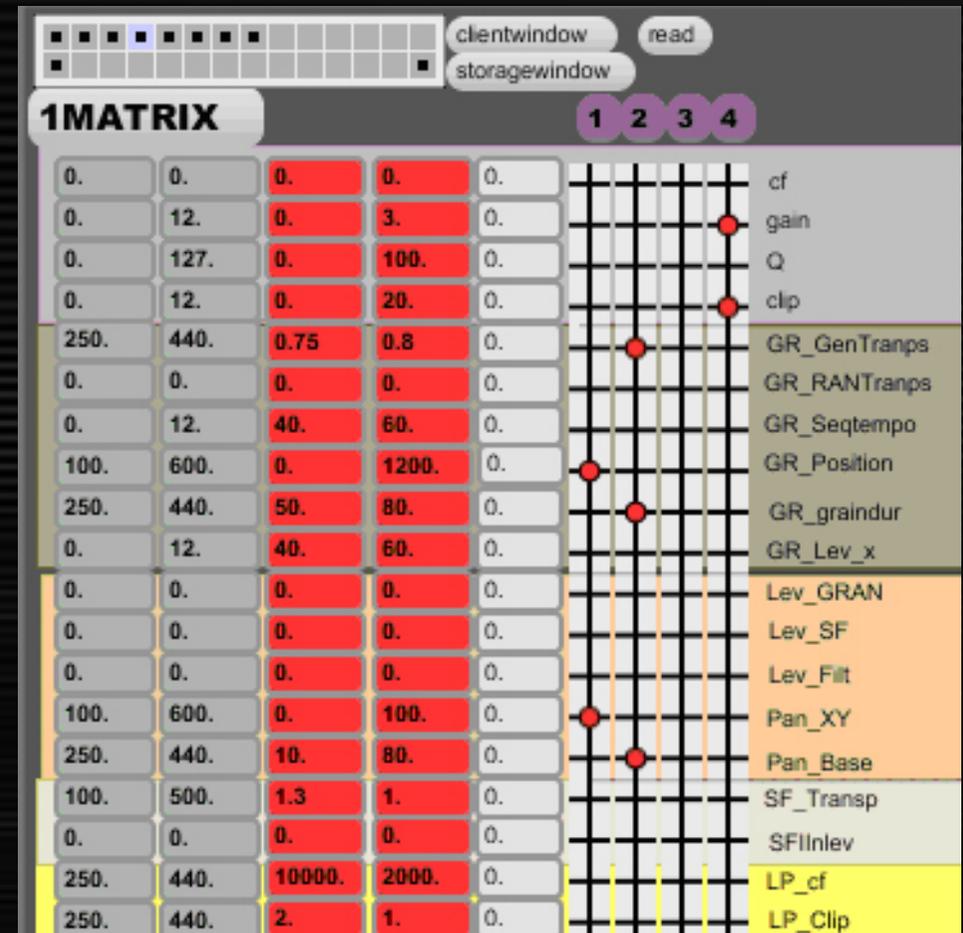
Volume Viewer

Wire-compositions (2010)

- assembling animation (sequences)
- analysis of the animation frame by frame
- description of the curves of the light beams



CT still images -- animation



The modules have specific tasks.

- guiding play
- the light beams lead the sound-synthesis and the transformation of sounds

The music is controlled with the data extracted from the analysis of the video. The video is performed in real time.

Using MaxMSP/Jitter software.

The process can be divided into three phases:

- Static spatial form - Wire composition
- Dynamic (transitional) form - Animation
- Synthesis; sound-space - Interaction

Zsolt Gyenes-Andrea Szigetvári: CT, interactive music, live electronics, computed tomography animation, approx. 30 minutes, 2010.

(CT, extract, mpg2)

Internet:

http://www.gyenes62.hu/2009_p.html

http://www.youtube.com/watch?v=73o54m5s_2g

The complex, common activity of the different sensory organs can uproot, with more intensity, the spectator and the creator from the usual constellation of space-time.

This 'new complex art' (synthesis) makes its curing influence felt on the public and the artist/creator as well.

The fascination of artists with the fusing of media increases the possibilities (and makes easier) offered by computer technology.

One of the essential points of art-therapy can be experienced in shifting everyday's troubles – however, this requires the ability of multimodality, the usage all of your organs of sense in order to reach a state of complete relaxation.