

"Visual waves" by Gregoire Rousseau 2006,

Audio waves shaped as visual media.

Abstract

Visual waves short movie is based on "what you hear is what you see" concept. Sound waves, through TN LAB equipment, will be displayed on the screen in black and white. From sine wave to polyphonic melody, the video presents audio waves shaped as visual media.

Analogue television video signal consists in synchronization messages and the displayed information. The synchronization messages, both vertical and horizontal, frame the actual visual signals seen on the TV screen. This frame repeats itself following defined standard known in Europe as PAL.

Synchronization messages must be respected in order to generate any proper video signals. Once the frame created, the visual information can be manipulated. Waves appear on the screen as white on black background. Stable waves can be recognized on the screen, complex waves generate abstract moving black and white square patterns.

Production

TN LAB, Tuulanauhat laboratory in short, designed video equipment to output video signals from analogue input. The equipment designed is both hardware and software. The hardware devices manage three parts. First the analogue sound wave is converted in digital format, this information is then processed in the microprocessor unit, and finally the data is output through the video out unit. The software, written in assembly, is located in the microprocessor memory and its main task is to generate synchronization frames and process the output video signal.

Visual waves video set up consists in the TN LAB devices, Panasonic WJ-AVE5 video mixer, Sony VCR, Salora home television, Panasonic mini-DV MX300, frequency generator and 8 tracks Tascam audio mixer.

Project supported by:

AVEK,
Centre Culturel Francais en Finlande,
Finnish Promotion Centre for Audiovisual Culture.

Credits:

"Visual waves" director is Gregoire Rousseau.

"Melody" soundtrack composed by Samuli Tanner.

"Visual waves" exhibition in Gallery Alkovi from 07.04.2006 to 30.04.2006.

"Visual waves" Flash animation produced by AJ-Group.

DVD graphic by Simon Nogradat.

Photographies with Katri Naukkarinen.

Screenings

07.04.2006 - Gallery Alkovi Exhibition and Premiere, Helsinki Finland 2006.

2006 Animatricks 2006 Animation Film Festival in Helsinki, Screening at Andorra theatre.

2006 AVANTO Helsinki Media Art Festival 2006.
Screening at Kiasma theatre.

“Equipment at the Tuulanauhat Laboratory has been utilized to create abstract video imagery from an analogue input. The sound is converted digitally and the video output is a directly synchronized visualization.” Avanto brochure / Antti Autio.

2006 Cinecity the Brighton film festival 2006.

Avantoscope in Basement. “ Avantoscope selection showcases the latest experimental music videos, and places a strong emphasis on contemporary and archive film screenings...from this years 350 entries, the most interesting have been collected into one cinema program. Ian Helliwell has had work shown at each Avanto since the festival started, and for the last 2 years has been privileged to make the Avantoscope selection.” Brighton film festival publication, curated by Ian Helliwell.

2007 AV-Arkki The Distribution Centre for Finnish Media Art.

2008 FESTART08, gallery TR1 / Tampere
Contemporary visual art part of Tampere film festival.

2009 LIMITED ACCESS II / Teheran/Iran
Selection of contemporary visual artists, held in Teheran/Iran, www.parkingallery.com

2009 VIDEOX / Zurich/Switzerland
International experimental video festival in Zurich/Switzerland.
Selection of Finland based artists, www.videoex.ch

Contact:

Gregoire Rousseau
+358 50 33 658 32
Gregoire@tuulanauhat.com
<http://tuulanauhat.com/visual>
www.rousseau.fi