
Anechoic Pulse

for tape

Panayiotis Kokoras
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First prize at Música Viva Electroacoustic Composition Competition 2005 in Lisbon / Portugal

Electroacoustic Score for diffusion
Duration 9' 40 minutes

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York, Rethimno 2004

ProgramNotes

Anechoic Pulse (2004)

for tape alone

duration 9' 40 minutes

The life of the piece began in York, England in August 2003, where most of the sound material recorded at the anechoic chamber at the University of York. A couple of months later I returned back to Greece after a long stay in England and I restarted to work on the material at my personal home studio. However, a new move stopped me again from its development. Finally, everything came together one year later during the summer of 2004 where the piece finished at the Mastering Studio of the Department of Music Technology and Acoustics in Rethimno, Crete.

Having the luxury to work without deadlines and on a non real-time environment I tried to refine and control the finest sound detail. I tried to create a kind of virtuosity of the medium. The sound material, not easily recognized most of the time, undergoes a rather simple transformation in terms of sound processing using editing tools such as hard-limiting, maximizers, cut n paste, dynamic envelope changes, time stretches, and binaural spatialization. – Panayiotis KOKORAS, August 2004, Rethymno -.

This piece was awarded First prize at Música Viva Electroacoustic Composition Competition 2005 in Lisbon / Portugal; moreover a shorter version was awarded Second Prize at Point de Repere 2005 - Projet Itinerant, Electroacoustic Music and Audiovisual Competition in Paris / France; and it was Finalist at III Concurso Internacional De Miniaturas Electroacusticas 2005 in Granada / Spain.

Technical means used for the realization of the work

Recording Treatments

- **Microphones:** 2 mics, *Neumann*, KM184, SG 100
- **mic preamplifier:** Dual *Focusrite*
- **A/D converter:** 18 bit *ProBox 4*, *Audio Design*
- **DAT:** *Tascam* DA-30 MK II
- **Headphones:** *SONY* digital reference MDR-CD270

Studio of recordings and realization

- Anechoic chamber at Department of Physics the University of York, UK
- Postgraduate Electroacoustic Studio at York University. Workstation: O2 Silicon Graphics
- Mastering studio of the Department of Music Technology and Acoustics at Technological and Educational Institute of Crete
- Personal Home studio. Workstation: Linux Redhat OS and Windows XP

Processing Treatments

Unix and Linux RedHat GNU/GPL licence software running on Silicon Graphics and PC machines

- ***Cecilia*** v.2.0 (environment for digital sound processing and csound programming)
- ***Ceres3*** v.0.26 (graphical sound editor working in the frequency domain. The phase vocoder core is based on code from F. Richard Moore: Elements of Computer Music v.0.05)
- ***Sound Editor*** (IRIS Audio Recorder/ Editor, Irix 6.2)
- ***Mammut*** v.0.07 (program for experimental audio processing, using Mammut FFT)
- ***SVP*** v.1.42 (a software for analysis processing & synthesis of sound)

Windows XP software running on PC machine

- ***Cool Edit Pro 2*** (integrates powerful multitrack digital audio features, giving you everything you need to record, arrange, edit, mix, and master professional-quality audio)
- ***Wavlab 4*** (digital audio mixing/ editing software)
- ***GRMtools*** (sound processing software, real time audio suite plug-ins that give you intuitive, powerful and creative sound design tools)
- ***Waves Diamond Bundle*** v.4.2
- ***PSP 84*** is a high-quality processor, capable of producing a wide variety of delay-based effects.
- ***CDP -Composition Development Performance-*** (Composer Tools for Sound Design)

Mastering Treatments

- **Mastering Tools:** **Waves Diamond**
- **Converter:** Apogee A/D-D/A
- **CDR:** *Philips* 870
- **Headphones:** *SONY* digital reference MDR-CD270



