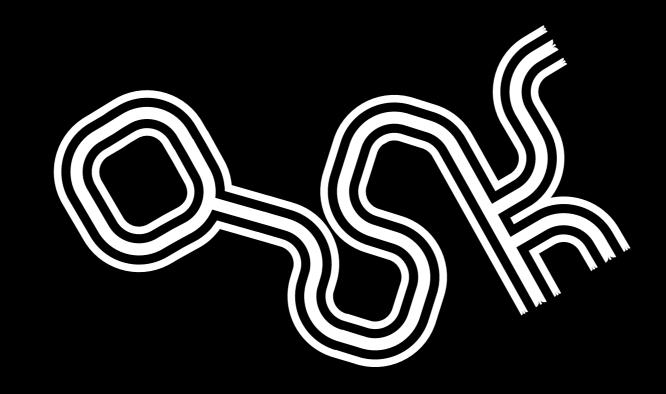
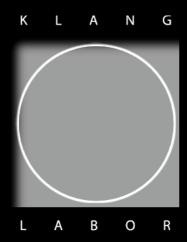
Offener Schaltkreis

An Interactive Sound Installation



By Christoph Haag, Martin Rumori, Franziska Windisch and Ludwig Zeller

http://osk.openkhm.de





Kunsthochschule für Medien Köln Academy of Media Arts École Supérieure des Arts et Médias

Video



Academy of Media Arts (KHM)

OSFA

- Open Source for Arts (formerly known as Open Source for Audio)
- seminar series at Klanglabor (sound lab) at KHM
- e. g. UNIX basics, Linux install parties, workshops: pd,
- supercollider, open lab sessions
- summer term 2006, OSFA lab: → OSK (OffenerSchaltkreis)

OSFA



Workshop with Frank Barknecht at Klanglabor, KHM

Design "Offener Schaltkreis"

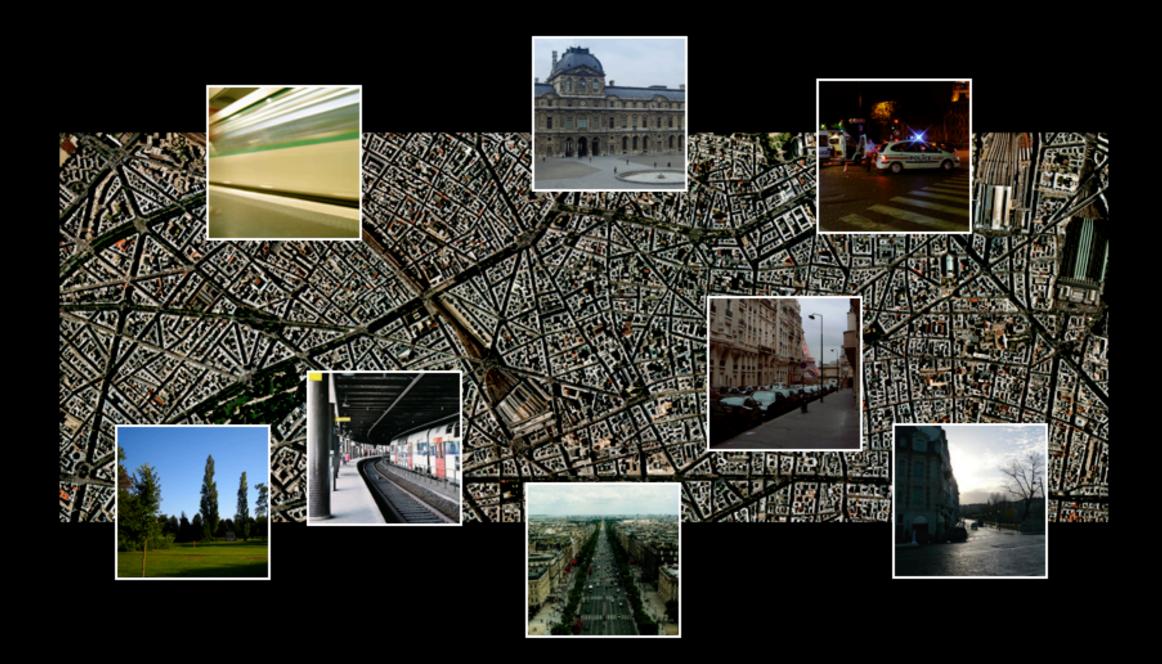
	audio displays	for an	exhibition	about a	rchitecture	, urbanism
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reflect the theme of the exhibition in functions of the displays

the micropolitics of urban space

 "a dialogue on reconfiguring and reactivating the marginal, residual and public spaces of our cities."

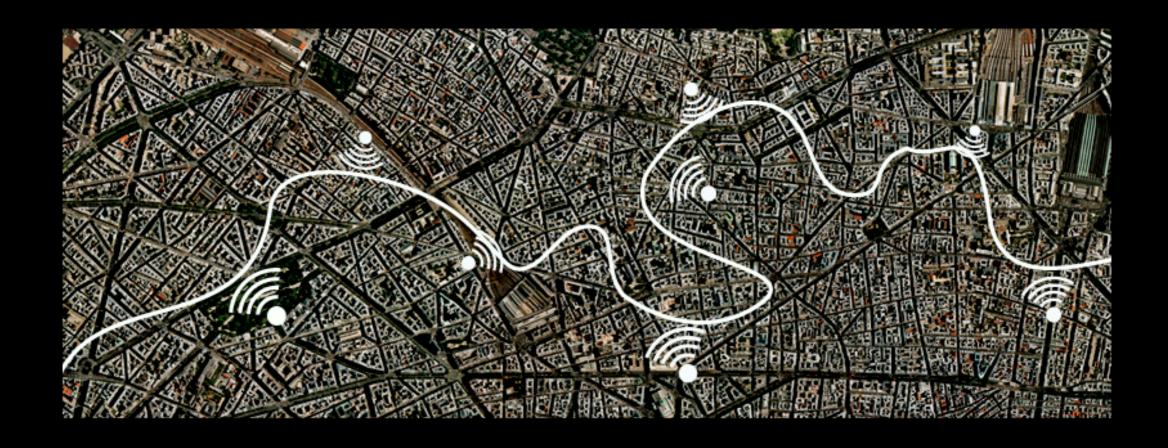








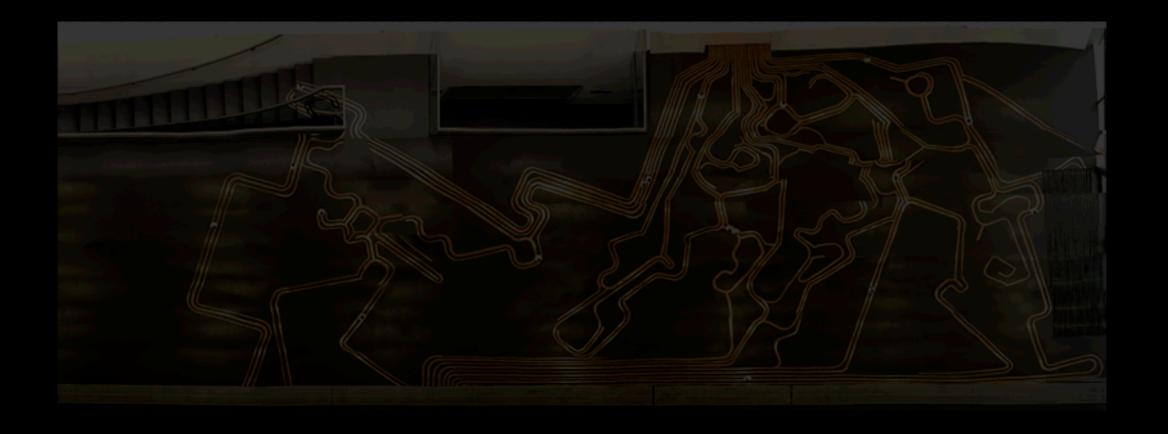






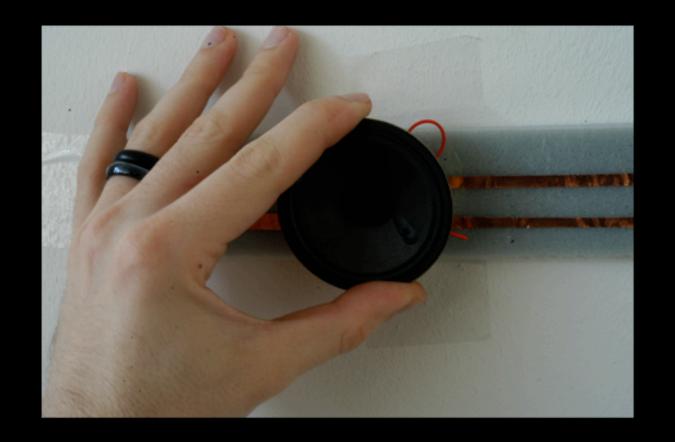






Visitors activating "silent" audio sources

- open copper tracks as transmitter
- lofi speakers as receiver







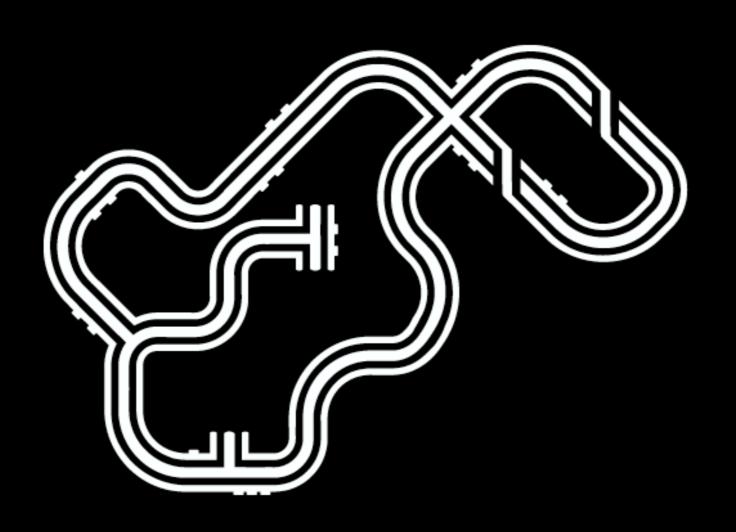
open copper tracks and speakers for TCR and OSK

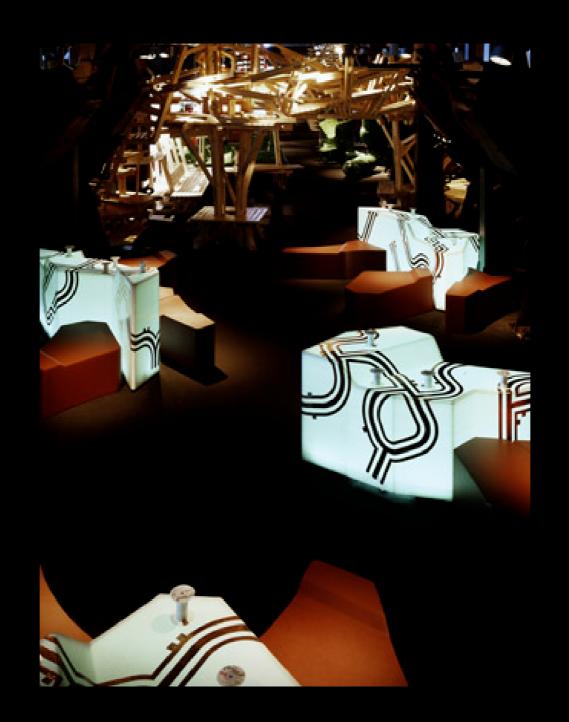


adaptable to different spaces









Talking Cities Audio Lounge, Zeche Zollverein



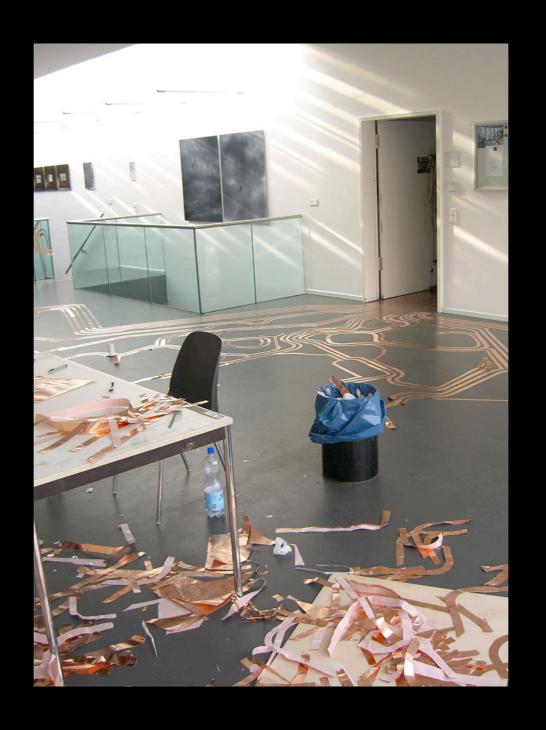
Offener Schaltkreis, 2006 November, Cologne



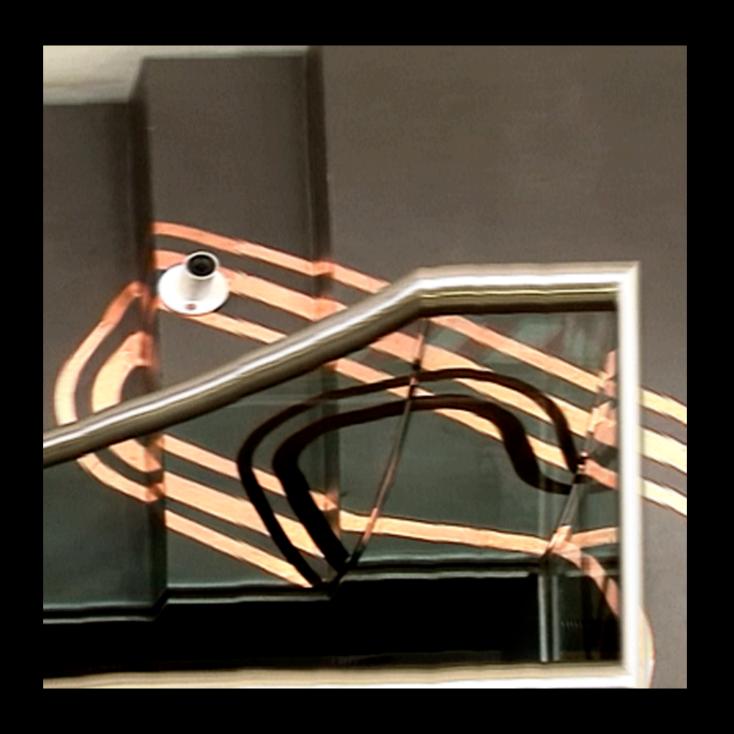
Offener Schaltkreis, 2006 November, Cologne



the cropped copper elements



half-way done



details of the osk



details of the osk



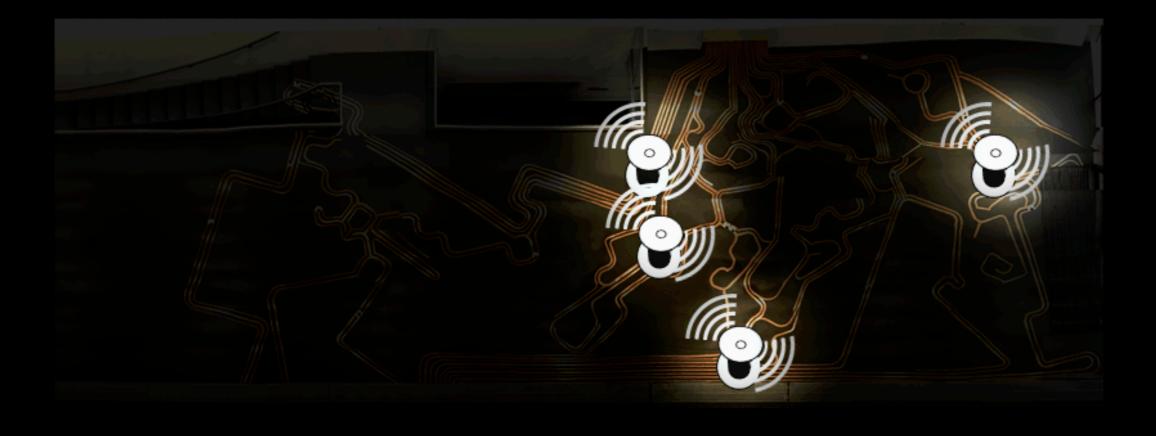
details of the osk



speaker cylinder on track













Sound

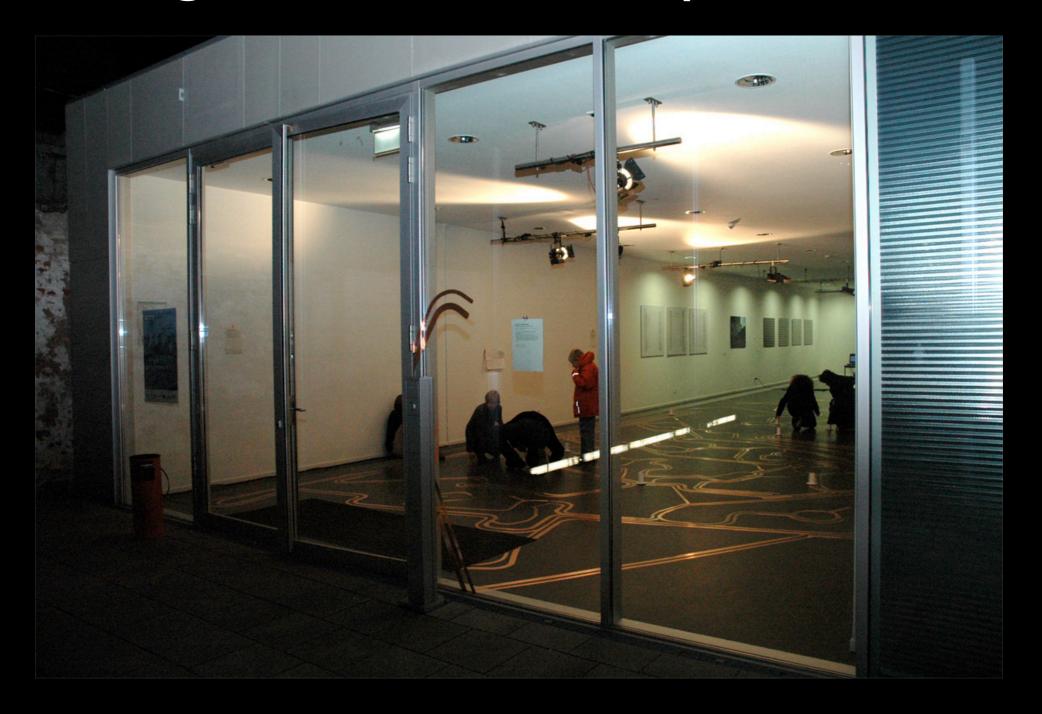
sound

- acoustic urban context
- production process
- arrangement: auditory scenes

Recording examples

Recording examples

creating acoustic landscapes



spatial arrangement agglomeration and spreading of audio sources

Technical overview



Linux machine



speaker cylinder for OSK

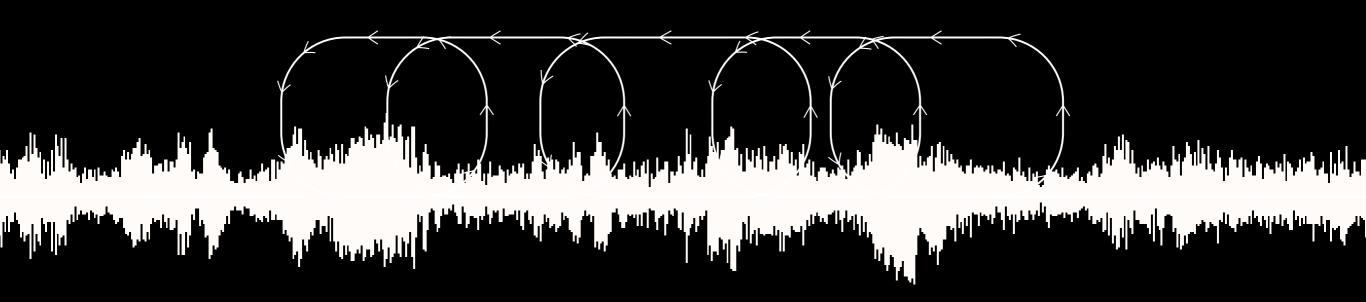


speaker cylinder for OSK

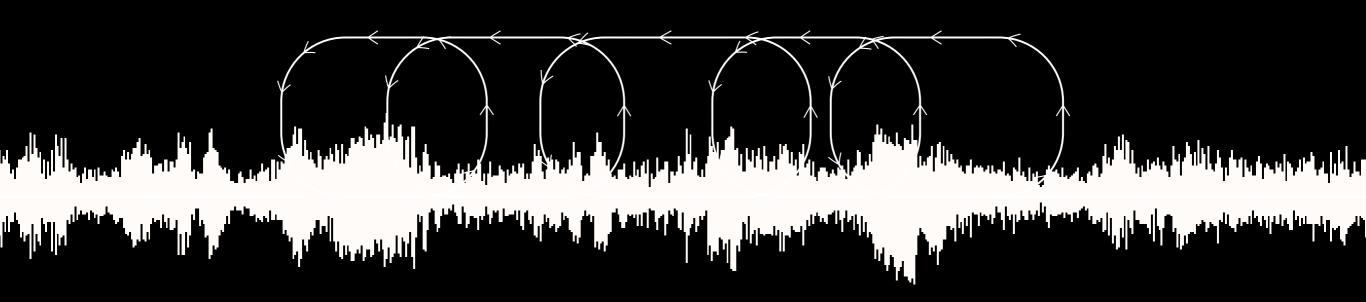
pure data

- loop player
- macro-granular sequencing / synthesis
- visitor activity sensing / reacting

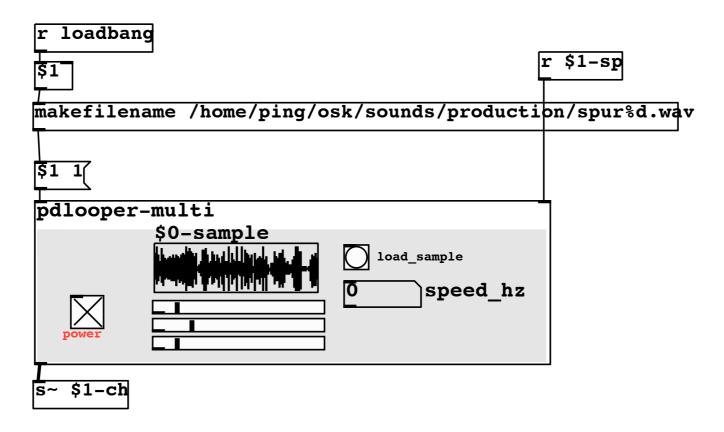
patch available at http://osk.openkhm.de/



macro-granular synthesis/sequencing



macro-granular synthesis/sequencing





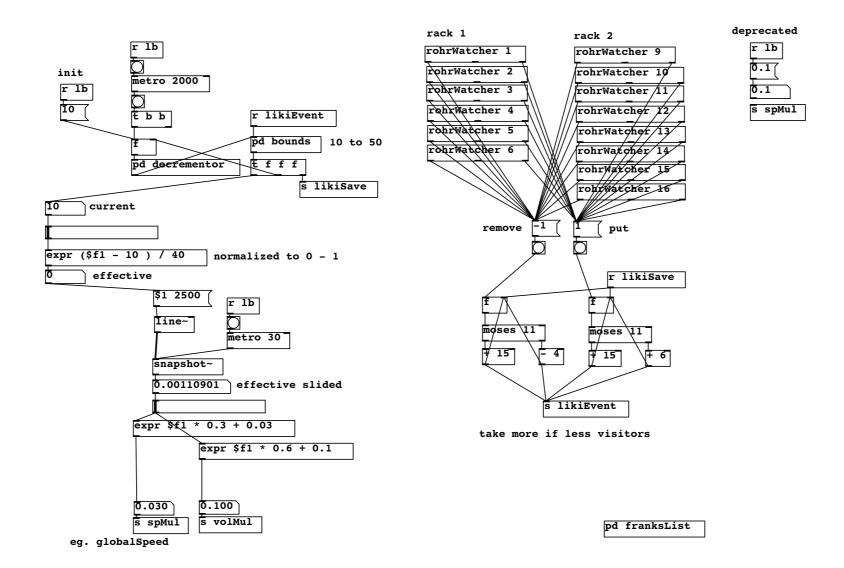








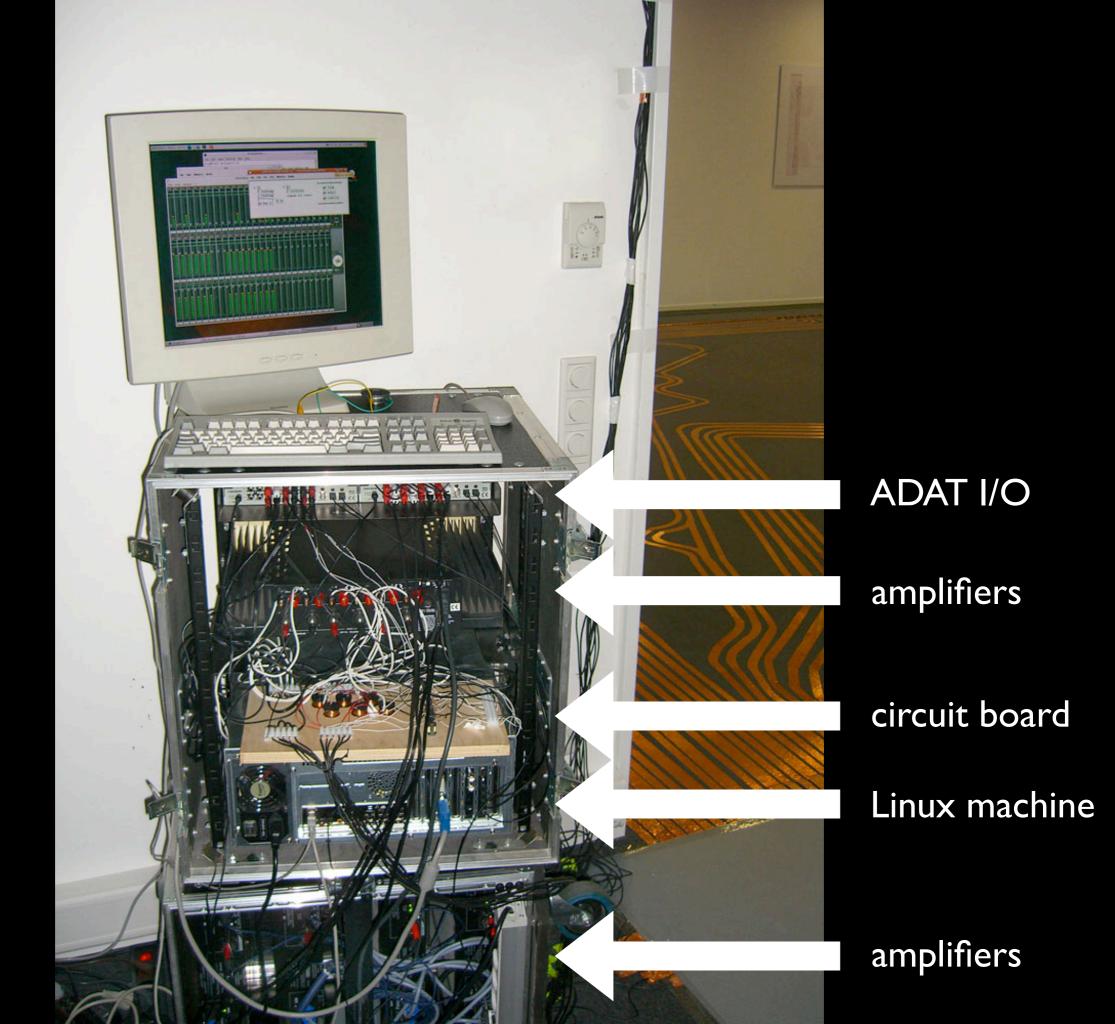


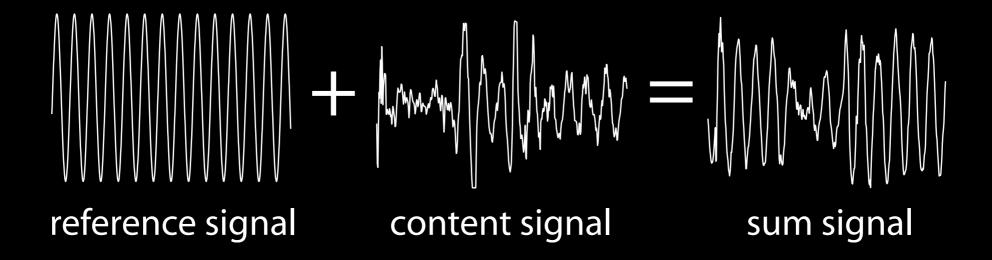


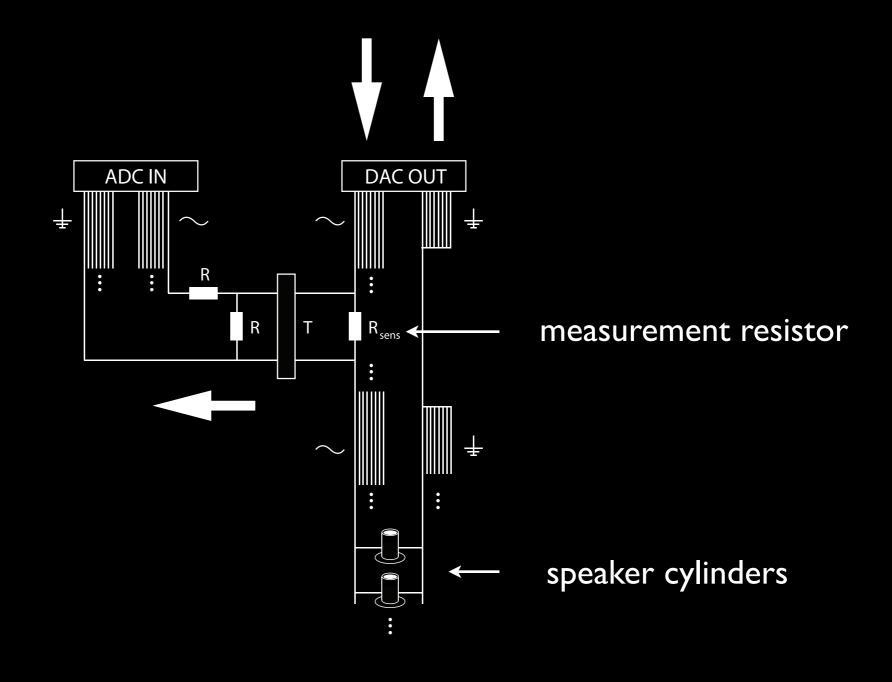
likiSave is used to call the current value without triggering the increment

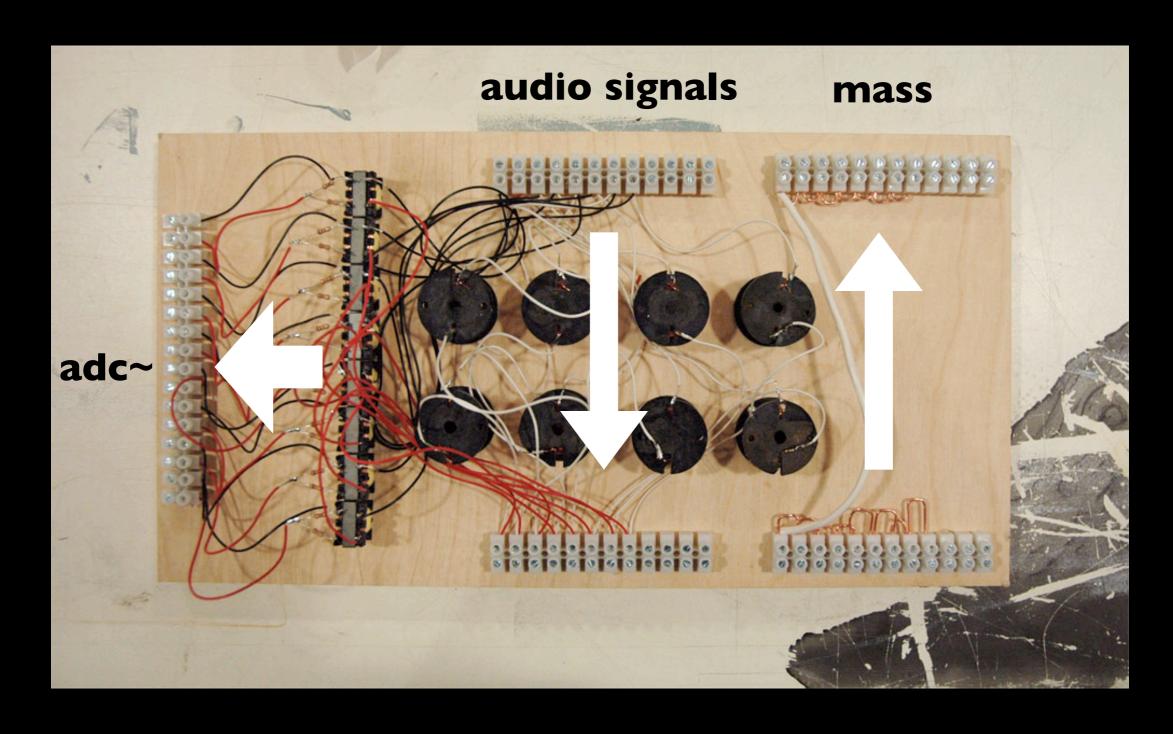
Hardware



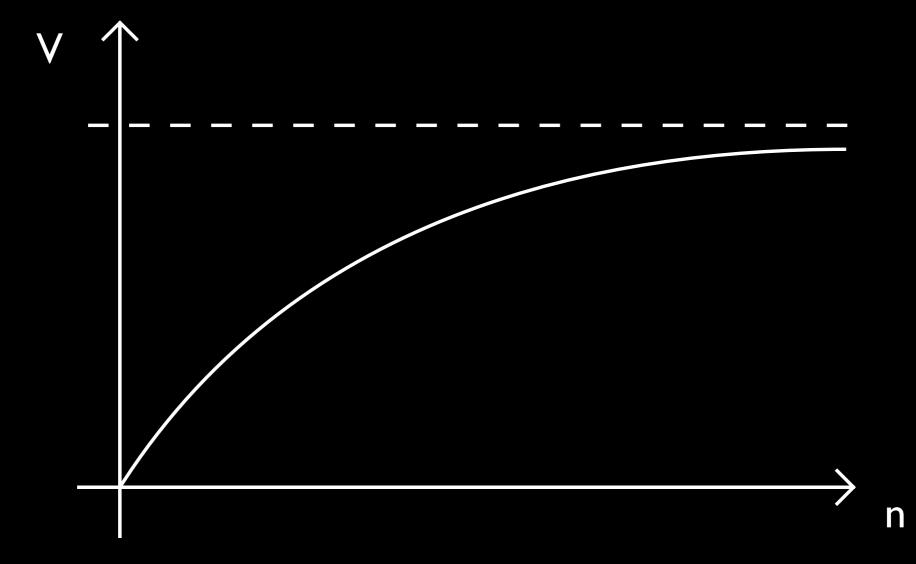








circuit interface board



eof

CU

2007 April 3 - 8

make art festival, Full installation of osk,

Maison de l'Architecture, Poitiers, France

