

Live-Looping

Bernhard Wagner

Agenda

- Loops
- Live-Looping
- 1st International Loopfestival Zürich 2005
- Exemplarisches Loopgerät: "EDP"
- Live-Demo

Repetition

- Klassik, Pop, Jazz
 - Ostinato
 - Kanon
 - Fuge
 - Wiederholung

Loop History

- 1948 Erste Loops: Pierre Schaeffer, manipulierte Grammophone, "Musique Concrète"
- 1964 Erste Tape Loops Live: Terry Riley, "Time-Lag Accumulator", Keyboard & Saxophon
- Minimal Music (Terry Riley, Steve Reich, Philip Glass) Vermutung: Aus der Arbeit mit Loops entstanden
- 1970 Bruno Spoerri: Filmmusik "Ddanach", improvisierte Loopmusik
- 1976 Thomas Kessler: "Loop" 4 Tonbandgeräte in den 4 Ecken des Saals

Live-Looping Digital

- 1981 Gary Hall PCM42: Digital Delay mit erstem Loop-Feature Metronom.
- Mehrere Musiker, z.B. Christian Röver, David Torn, Matthias Grob geben Modifikationsvorschläge an Lexicon PCM42
- Tap: Roland SDE-3000 (PlayMate), tc 2290 (Learn)
- 1991 Matthias Grob entwickelt mit Eric Obermühlner das "loop delay".
- 1992 Bob Sellon konzentriert die diversen Änderungsvorschläge an PCM42, was in Lexicon JamMan mündet

Live-Looping Community

- Erste Erwähnung im Prospekt des loop delay

INFORMATION EXCHANGE	DISTRIBUTION
	
FORUM FOR LOOPOLGY AND REPETITIVE HAPPENINGS	ADVANCED SWISS MUSI- CAL INSTRUMENTS
Matthias Grob	Sennhofweg 35 CH-8405 Winterthur 0041 52 233 34 43
	Rolf Spuler

Live-Looping Community 2

- 1996 Kim Flint gründet Loopers-Delight.com.
- 1996 erstes Loopfestival
- 1998 Looper's Delight J, Japan
- Y2Kx Festivals in Santa Cruz
- 2002 Loopstock in San Luis Obispo 2002
- Sommer 2003: Rick Walker Loop-Tournee Europa initiiert Loop-Festivals in England, Schweden, Frankreich, Schweiz, Italien, Deutschland
- 2005 ...

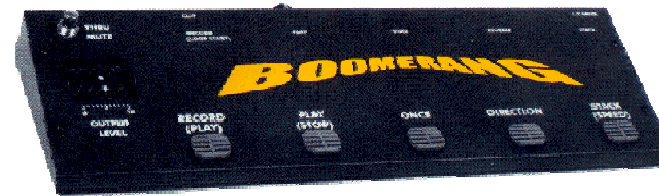
1st International Loopfestival ZH

- Moods
- 25. – 27. August 2005
- 24 verschiedene Acts, über 40 Musiker
- Organisation
- Helfer gesucht!
helpers@loopfestival.com
- Privatunterkünfte für Musiker gesucht!



Loopgeräte

- Gibson "Echoplex Digital Pro"
 - Matthias Grob, Eric Obermühlner: "paradis LOOPdelay"
- Andere Geräte
 - Lexicon JamMan
 - Boomerang
 - Electrix Repeater
 - Line 6 DL-4
 - Boss Delay, Loopstation

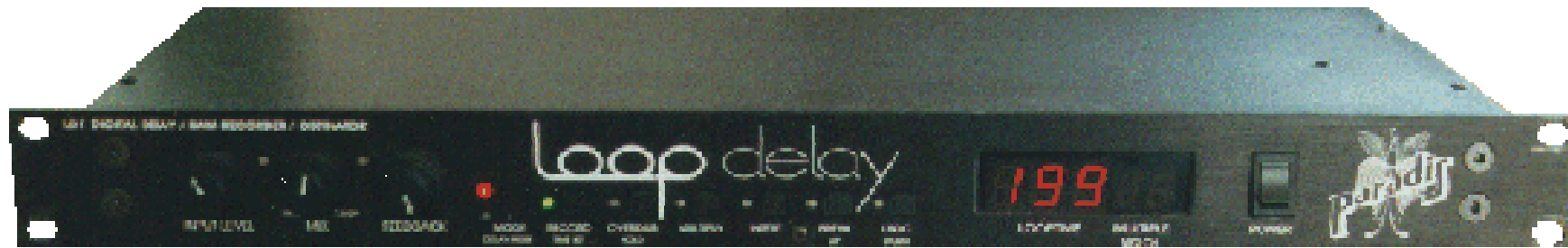


Software Loopers

- ableton Live (<http://ableton.com>)
- Mobius (<http://www.zonemobius.com/>)
- Augustus Loop
(<http://www.collective.co.uk/expertsleepers/augustusloop.html>)
- Weitere:
<http://xmlizer.biz/cgi-bin/LoopersDelightReviews/kwiki.cgi?CurrentSoftwareLoopers>

Paradis loop delay

- Matthias Grobs Vorläufer des EDP (1992)





FEEDBACK

Controls the fading of the loops — space for new ideas.

MODE

Toggle between various applications of the pedal

RECORD

*The fundamental foot switch
Records and defines the length of the loop at the same time.*

OVERDUB

instant multilayering, unlimited voices

MULTIPLY

prolongates the loop rhythmically

INSERT

add new bars or replace partially

BREAK

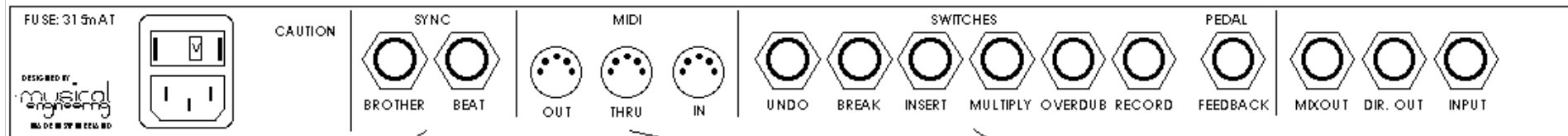
stop and go on build sample

UNDO

cancel a function or erase last overdub

DISPLAY

shows the loop time and the number of the beat that is currently played and/or recorded



SYNCHRONIZING

*Two LOOP delays can be synchronized to work as brothers or in stereo.
A metronome is available in the form of a trigger signal.
The loop can be triggered by an external sound source or switch.*

MIDI

*Sends all commands to sequencer.
Receives commands from sequencer.*

FOOTSWITCHES

Corresponds to the switches on the front panel

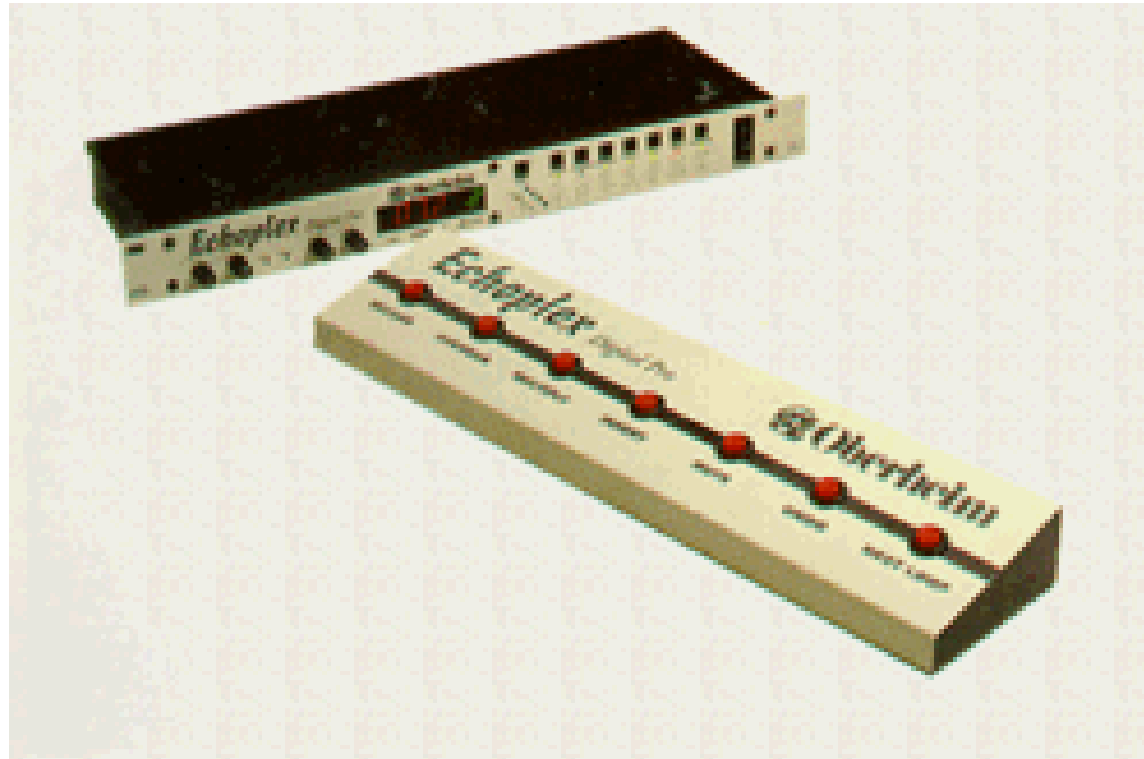
TECHNICAL FEATURES

- Maximal LOOP time: 200 seconds. 6.2 seconds is standard. Expansion with standard computer memory modules (1Meg or 4Meg SIMMs).
- Fully digital feedback. No sound degradation through repetition.
- Sound quality: 16 bit/41.5 kHz Sampling frequency.
- Number of loop functions: 13 (accessible through combinations of 7 front panel- or footswitches).
- Back panel connections: 12 jacks (in put, mix output, direct output, 6 foot switches, 1 foot pedal, 2 synchronisation in puts/outputs), 3 MIDI ports.
- Limiter on the in put.
- One FSP-1 Rhythm-Pulser foot switch is included. Short action allows accurate timing commands.

MAIN APPLICATIONS

- On stage accompaniment creation
- Rehearsal assistance
- Quick multitrack composing
- Gathering song ideas
- Educational tool
- Minimal music
- Sound experiments
- Sampling
- Rhythmic delay
- Therapy and self-experience

Gibson Echoplex Digital Pro (Plus)



Gibson Echoplex Digital Pro (Plus) 2

- Von Musiker entworfen
- Von einem Duzend Loop-Musik-Koryphäen verfeinert
(Videodokumentation in Arbeit)
- Intuitive Bedienung
- Extensive Synchronisationsmöglichkeiten
 - Midi, Beat, BrotherSync
- Multi-Level Undo
- Vorgestellt Oktober 1994 / Juni 2002
Loop IV / Januar 2003

Electrix Repeater



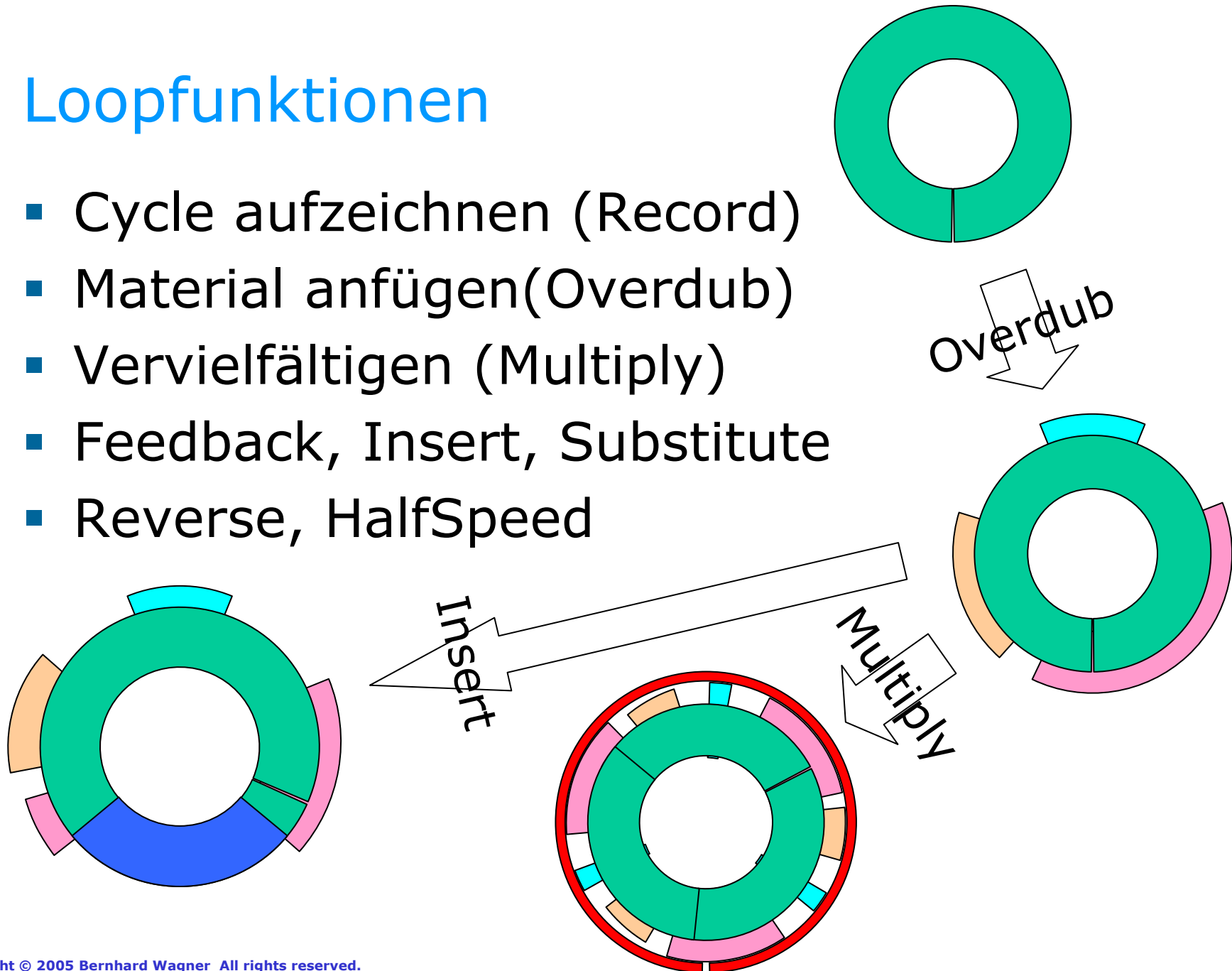
- 4-Track
- Permanente Speicherung auf Smartcards
- Real-Time-Stretching
- Real-Time-Tuning

Eric Tamm über Brian Eno

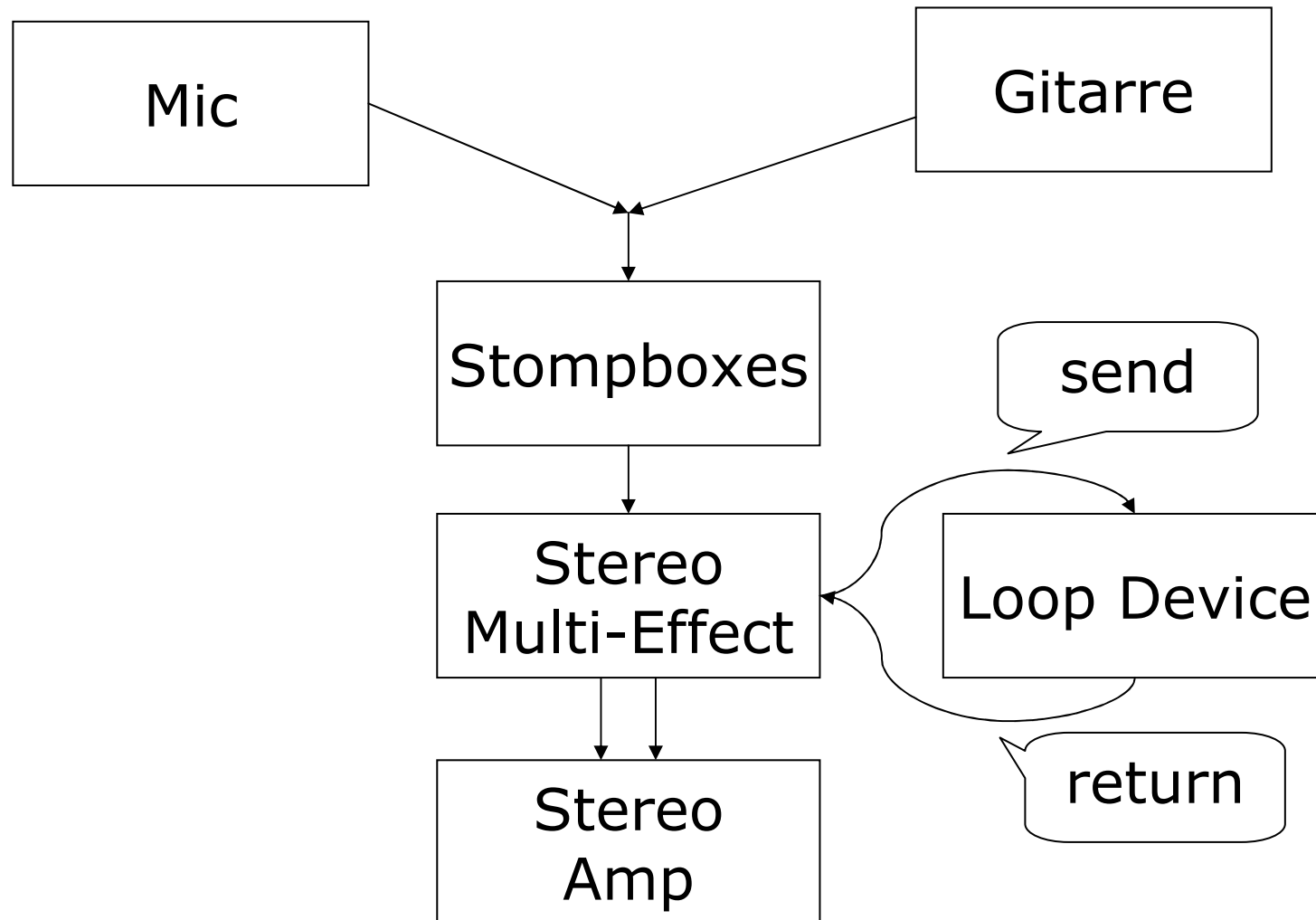
- "... the development of magnetic tape was decisive in that it made recorded sound vastly more manipulable, through experimental processes of splicing, looping, reversing, and variable speed playing" [Eric Tamm "Brian Eno: His music and the vertical color of sound" 1989]

Loopfunktionen

- Cycle aufzeichnen (Record)
- Material anfügen(Overdub)
- Vervielfältigen (Multiply)
- Feedback, Insert, Substitute
- Reverse, HalfSpeed



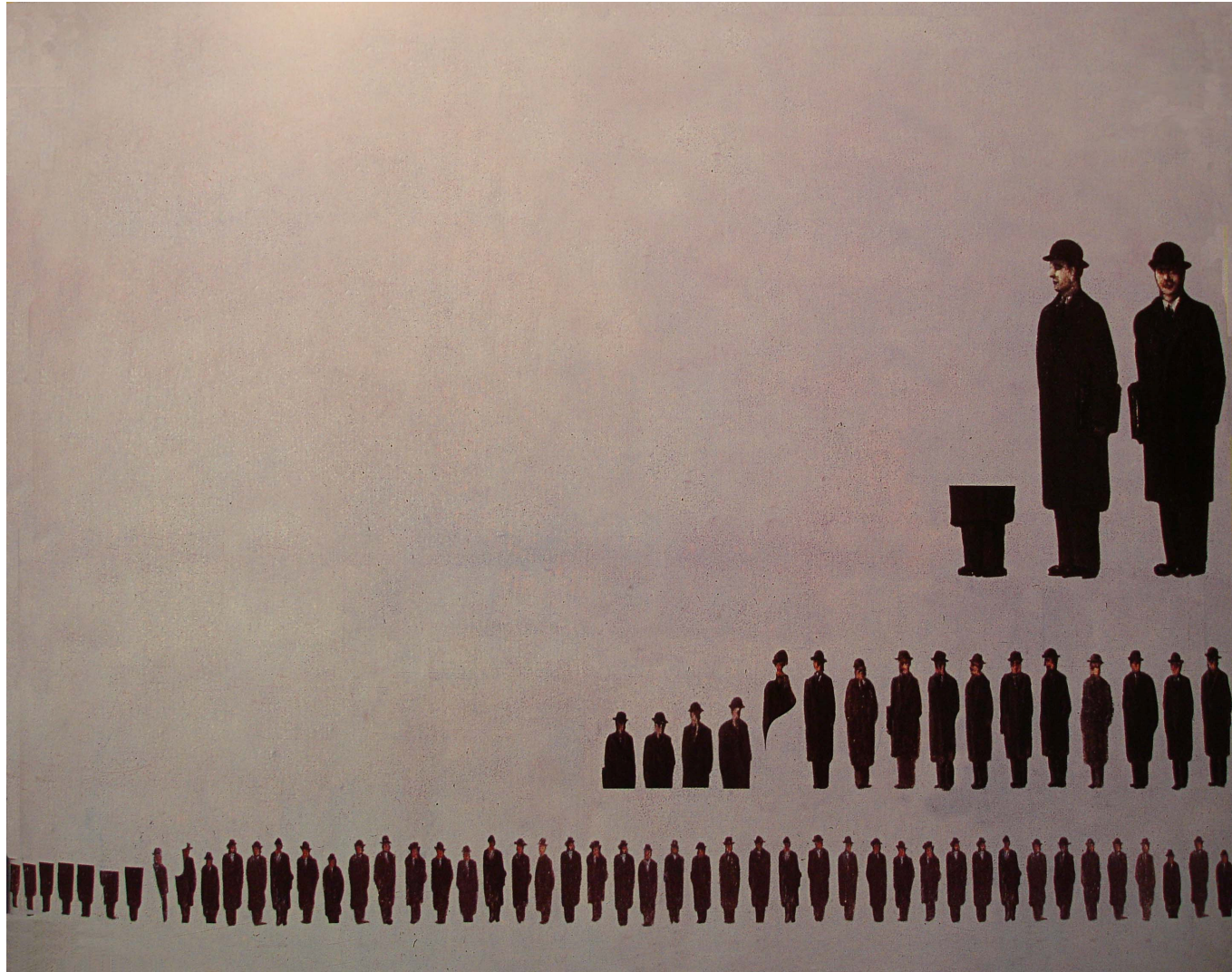
Live Demo



Magritte "Golconde"



Ursus Wehrli: Golconde aufgeräumt



Links

<http://loopersdelight.com>

Geräte:

<http://www.loopersdelight.com/tools>

Loop Research Paper:

http://www.loopersdelight.com/files/index.php?action=downloadfile&filename=Loop_Research_Paper.zip&directory=Tools_and_Uutilities&

Ende

Vielen Dank für Ihre Aufmerksamkeit

Online:

<http://loopfestival.com/talks/0507.pdf>