

User generated Art

High-Tech brings personal experience

The audience is :

subject

user

lead character



**BLUE
NOISE**
department



Ruud Lanfermeijer

Ruud Lanfermeijer

Visual artist

Interaction designer

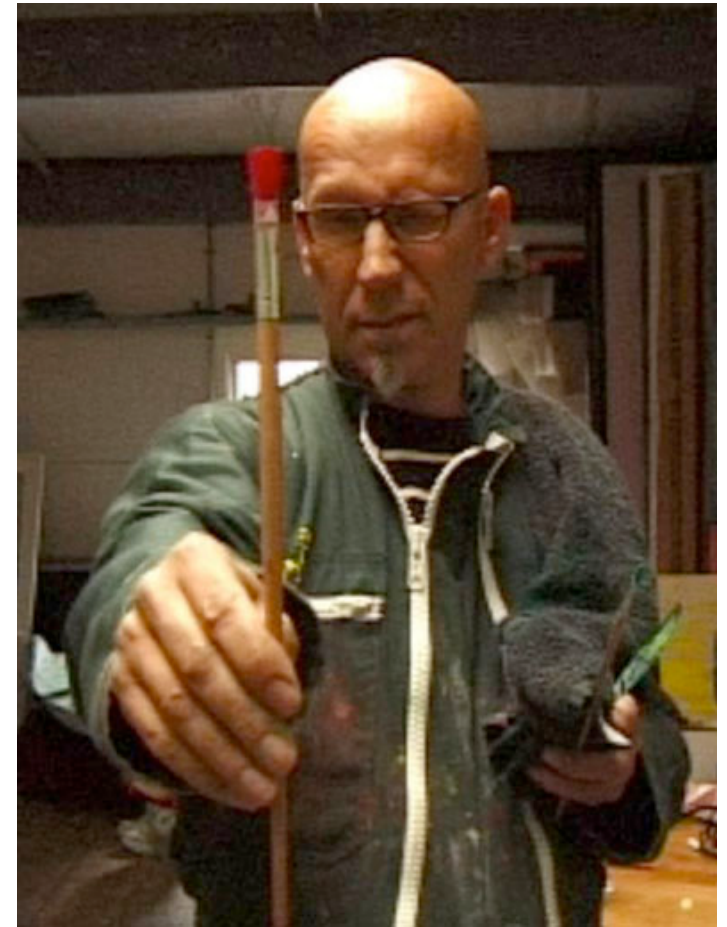
Interactive theatre designer

biologist

Founder and artistic director of the Blue Noise Department

Portsmouth University European Master of Arts Degree

1st Degree for Art (Painting and printing)/Art History in
Amsterdam Academy for Visual Art



Jenne Sipman

Director
Teacher
Writer



Jenne Sipman has worked for the last couple of years as a director of documentaries.

She is a teacher and scriptdocter at the Academy of Creative Writing of Amsterdam and at the School of Writing Utrecht School of Arts.



Remko van Dokkum

Remko van Dokkum

Interaction Designer

Mechanical Engineer



"enabling technology"

Creating and engineering interactive environments
where you can play with and discover all tomorrow's
technology has to offer.

Connecting everyting using computers

World of possibilites at my feet



If you can imagine it
you can make it
sky is the limit



MSX

ROM CARTRIDGE IN PLAY

64K

SANYO PERSONAL COMPUTER

SELECT

STOP

POWER

F6
F1

F7
F2

F8
F3

F9
F4

F10
F5

ESC

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CLS
HOME

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DEL

TAB

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SHIFT

CAPS

GRAPH

CODE

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MPC-100





Macintosh SE/30











A problem has been detected and windows has been shut down to prevent damage to your computer.

DRIVER_IRQL_NOT_LESS_OR_EQUAL

If this is the first time you've seen this Stop error screen, restart your computer. If this screen appears again, follow these steps:

Check to make sure any new hardware or software is properly installed. If this is a new installation, ask your hardware or software manufacturer for any windows updates you might need.

If problems continue, disable or remove any newly installed hardware or software. Disable BIOS memory options such as caching or shadowing. If you need to use Safe Mode to remove or disable components, restart your computer, press F8 to select Advanced Startup Options, and then select Safe Mode.

Technical information:

*** STOP: 0x000000D1 (0x0000000C,0x00000002,0x00000000,0xF86B5A89)

*** gv3.sys - Address F86B5A89 base at F86B5000, DateStamp 3dd991eb

Beginning dump of physical memory
Physical memory dump complete.

Contact your system administrator or technical support group for further assistance.

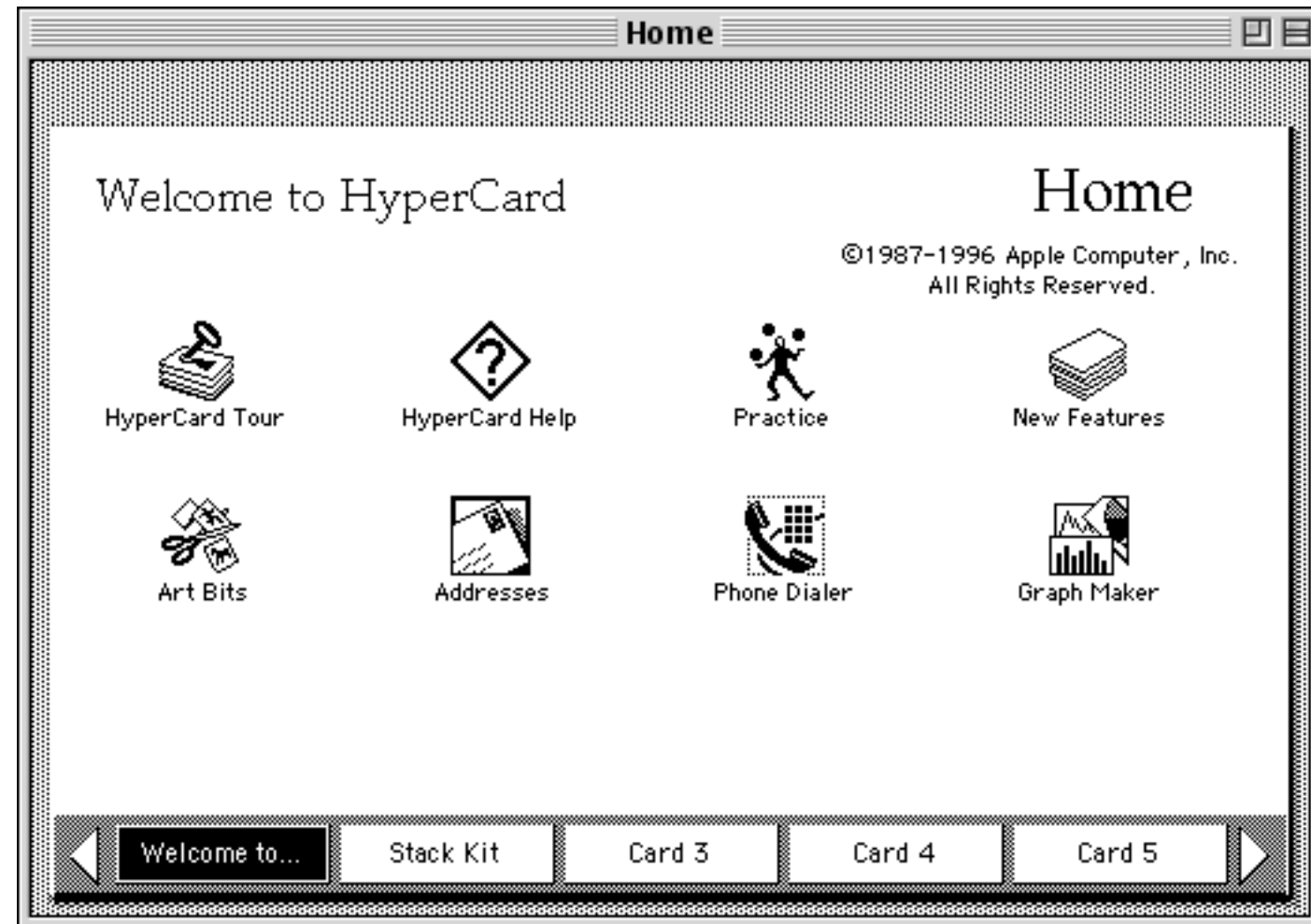
You need to restart your computer. Hold down the Power button for several seconds or press the Restart button.

Veillez redémarrer votre ordinateur. Maintenez la touche de démarrage enfoncée pendant plusieurs secondes ou bien appuyez sur le bouton de réinitialisation.

Sie müssen Ihren Computer neu starten. Halten Sie dazu die Einschalttaste einige Sekunden gedrückt oder drücken Sie die Neustart-Taste.

コンピュータを再起動する必要があります。パワーボタンを数秒間押し続けるか、リセットボタンを押してください。







1985
VIDEOWORKS



1993
DIRECTOR 4



1996
DIRECTOR 5



1997
DIRECTOR 6



1998
DIRECTOR 7



2000
DIRECTOR 8



2002-2004
DIRECTOR MX
& MX 2004



Adobe Director 11.5

+ everything I can possibly connect to it

What is our vision.

- we love people
- manically curious
- individual, group, social environment, what is a human
- offer an magical mirror to our audience
- everyone is the center of the universe
- combine seemingly incompatible things
- pioneer in the area of art and technology
- we only think in terms of solutions
- fantasize , Sci-Fi, Mars
- 'enabling technology', discover yourself

What is user generated art?

audience, subject, user, lead character

maximum involvement of user

address the personal uniqueness of the user

experience being the center of the artwork

2 kinds of work

human being

the individual / environment / genotype - fenotype

time

the phenomenon time / experiencing of time

key points of a our systems

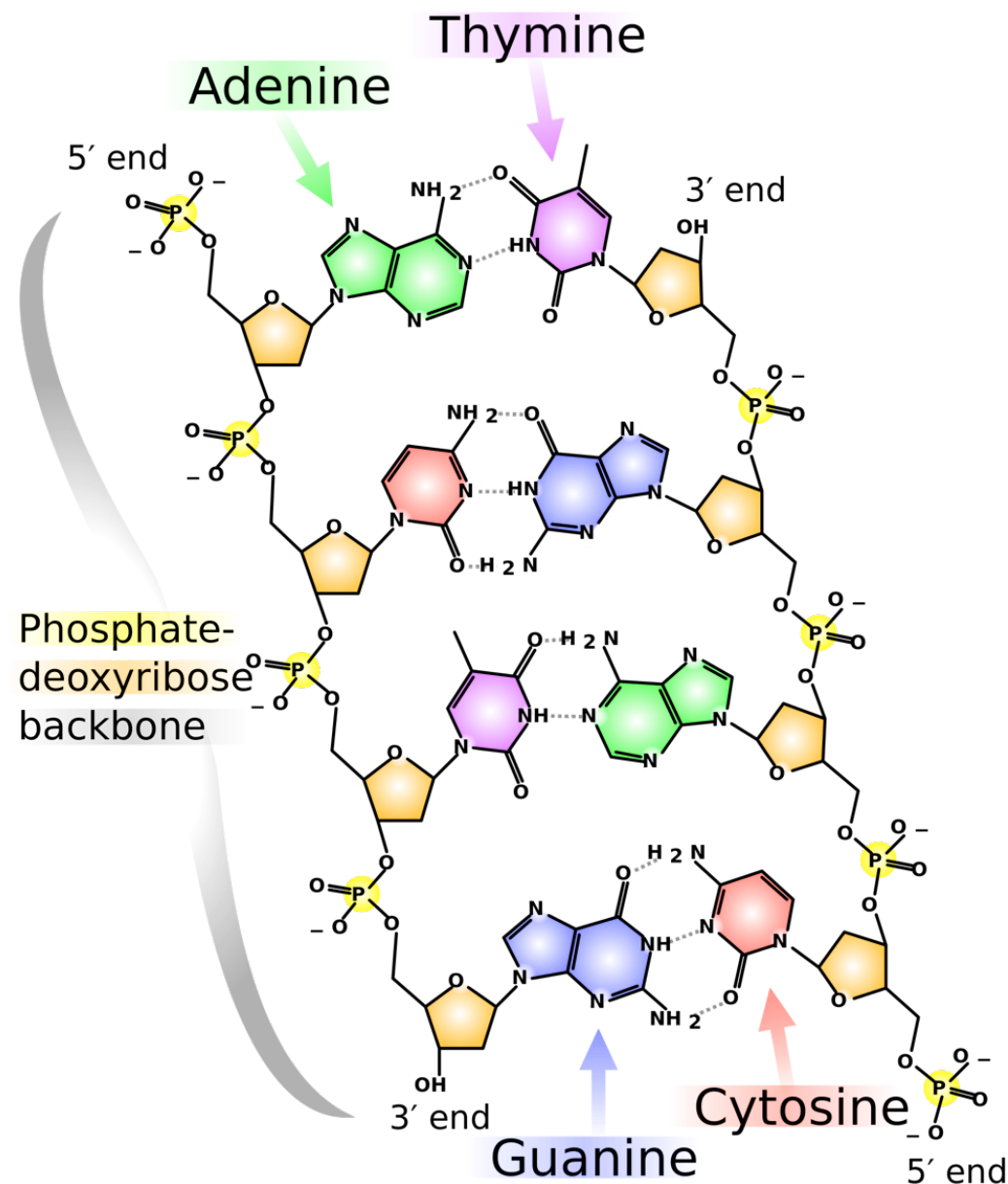
- expandable, no borders
- enabling technology
- user friendly GUI for maker and user
- invest time in good GUI
- make dream come true by creating the right tool
- make a tool and hand it over to be used
- inspiration to each other
- dialog with both our own expertise
- manically curious to the resulting experience



2011 - I sound therefore I am



2011 - I sound therefore I am



accgbacabagcacabbacagbcaaa
bcccbbcbcbgccccabggabgaccc
cccbcacabagggggbcccbbgaccac
cabccbcgcccaccccbcacccacbag
gabaccaacaaacccbacccacccbba
acagbacabagcacabaaagccabbb

Ruud Lanfermeijer

Pitch	Solfege
C	do (or doh in tonic sol-fa)
D	re
E	mi
F	fa
G	sol (or so in tonic sol-fa)
A	la
B	ti/si

2011 - I sound therefore I am



Radio, TV, news paper to find 48 participants

2011 - I sound therefore I am



mitochondrial DNA
Big Bang

2011 - I sound therefore I am



questionnaire, document, refrigerator

2011 - I sound therefore I am

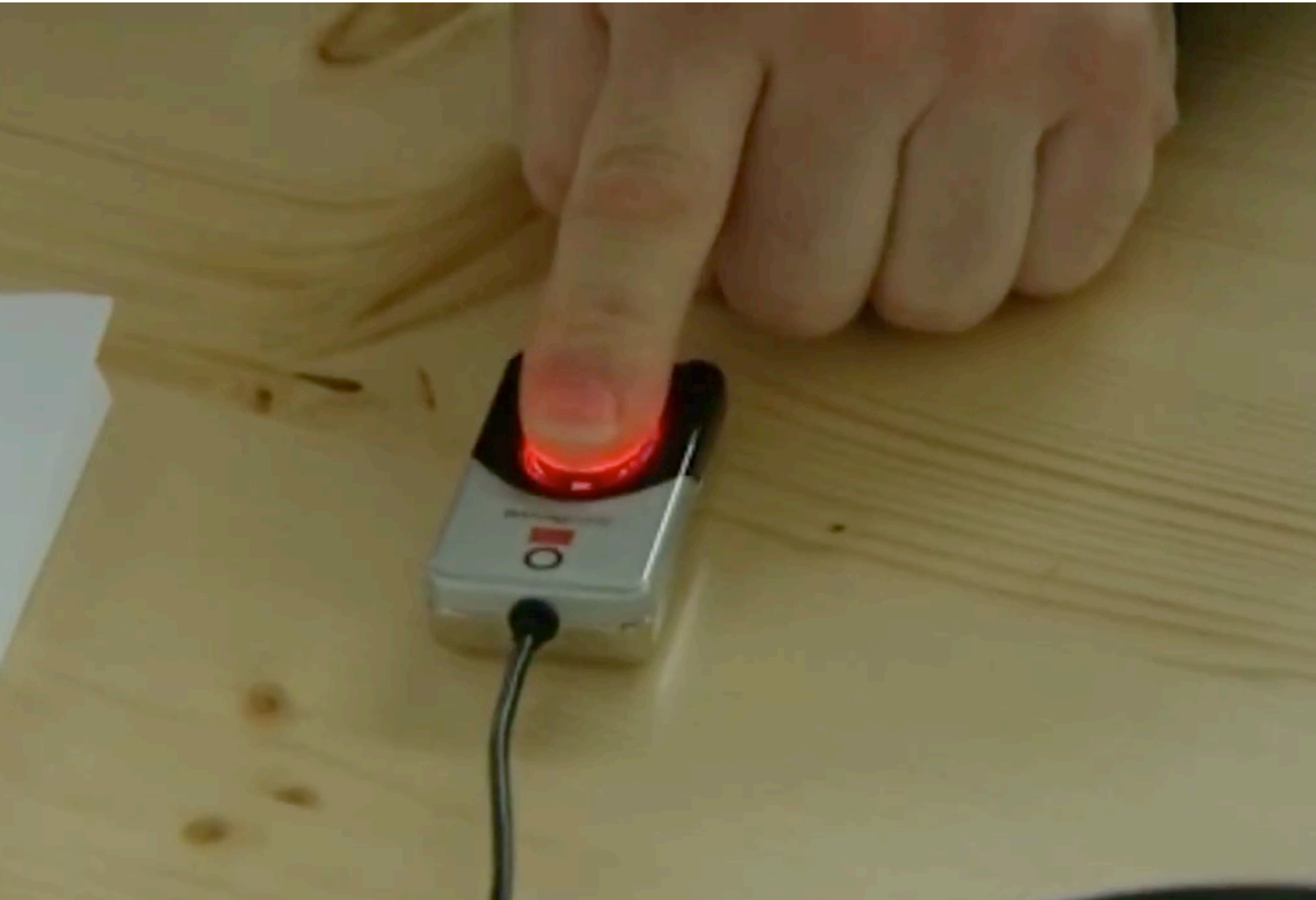


2011 - I sound therefore I am



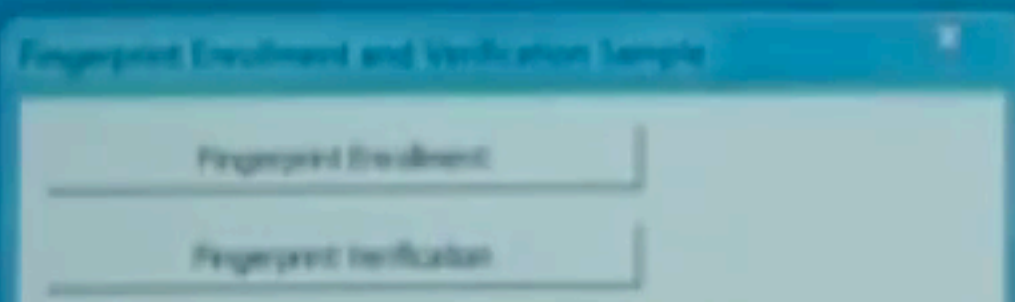
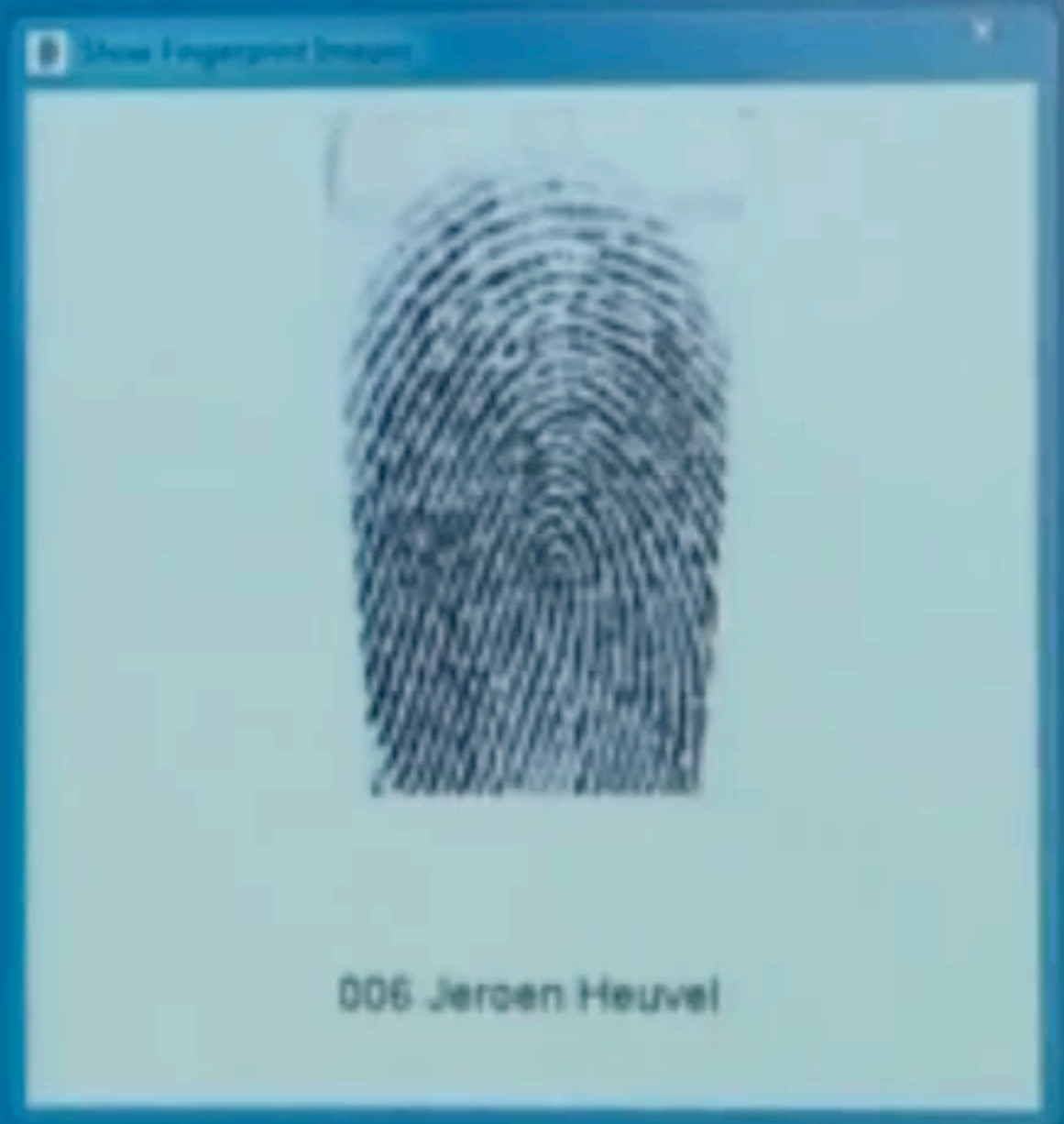
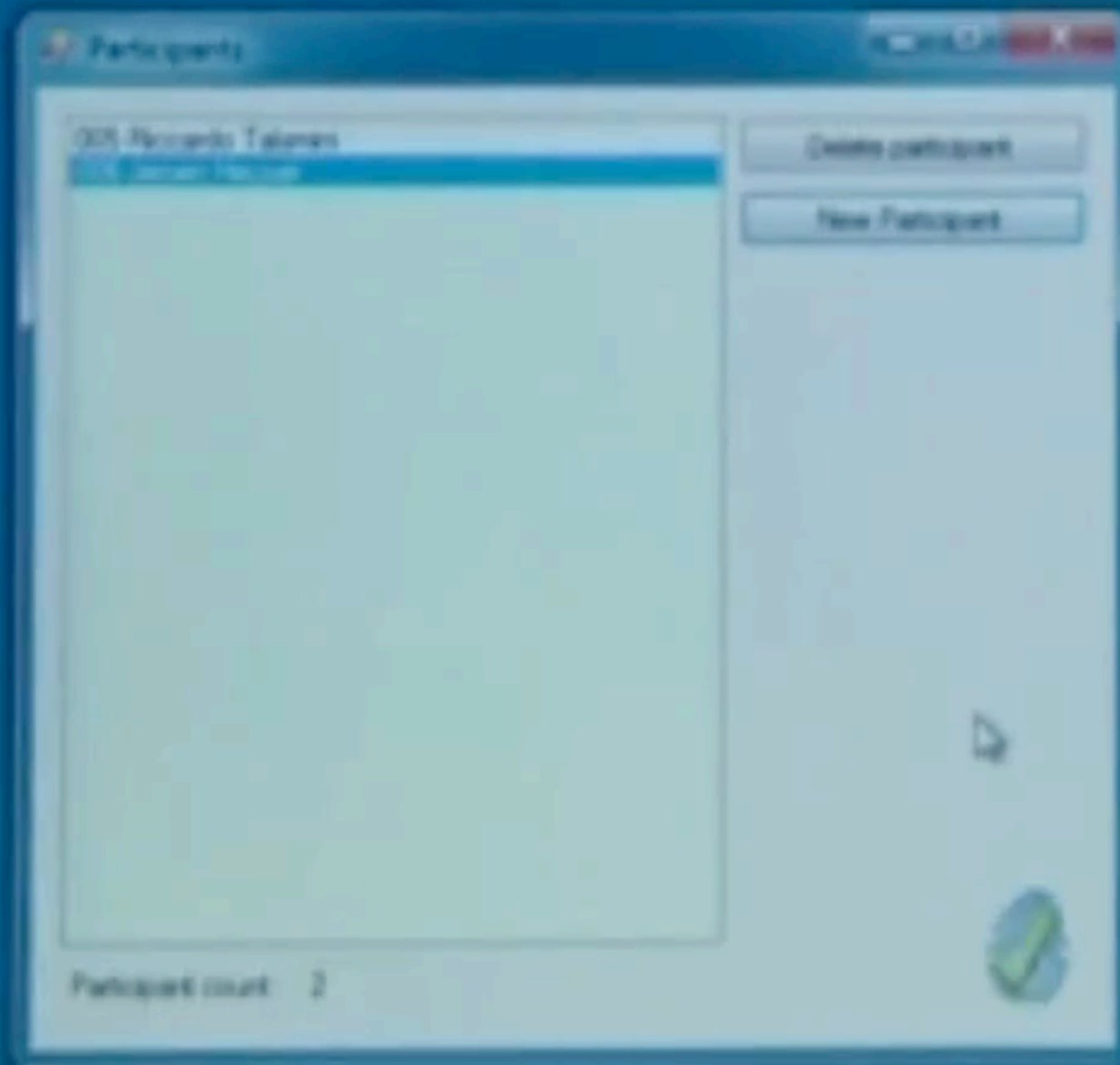
Lab 2 weeks, rhythm, Yellow Submarine

20 I I - I sound therefore I am



2011 - I sound therefore I am

181



2011 - I sound therefore I am



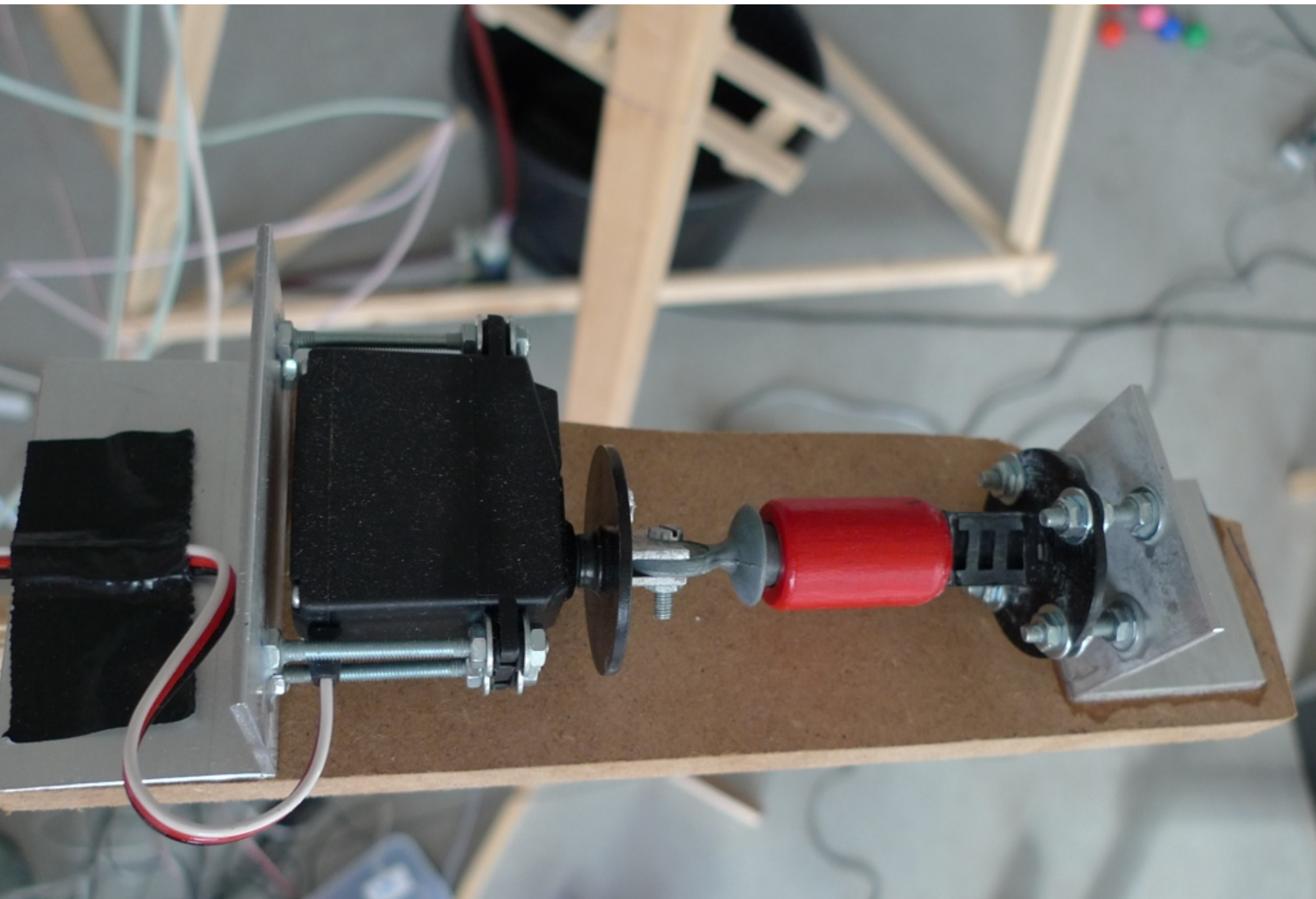
Art installation, mechanical orchestra

2011 - I sound therefore I am



Took lot of time to make the motor
controlled orchestra

2011 - I sound therefore I am



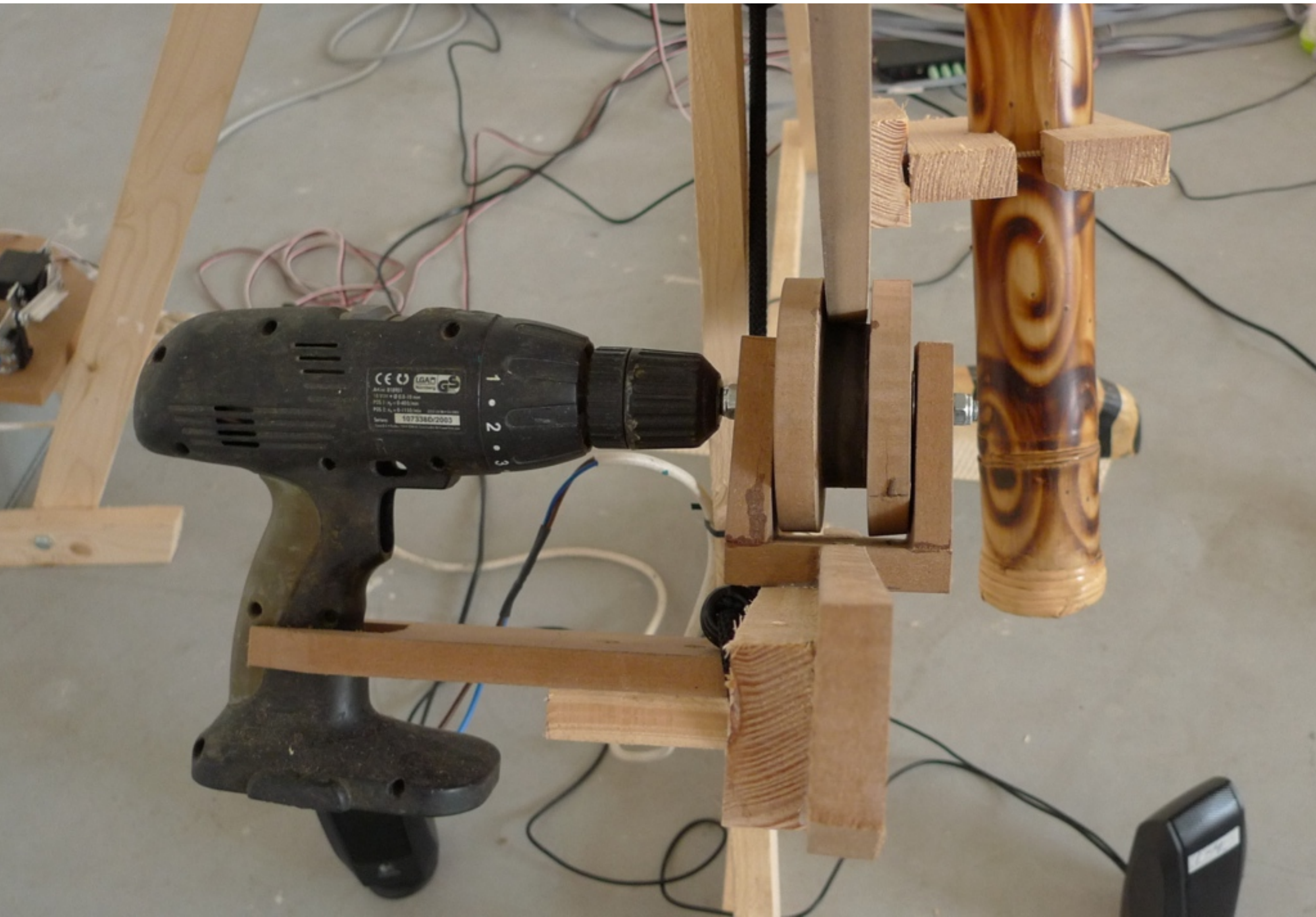
2011 - I sound therefore I am



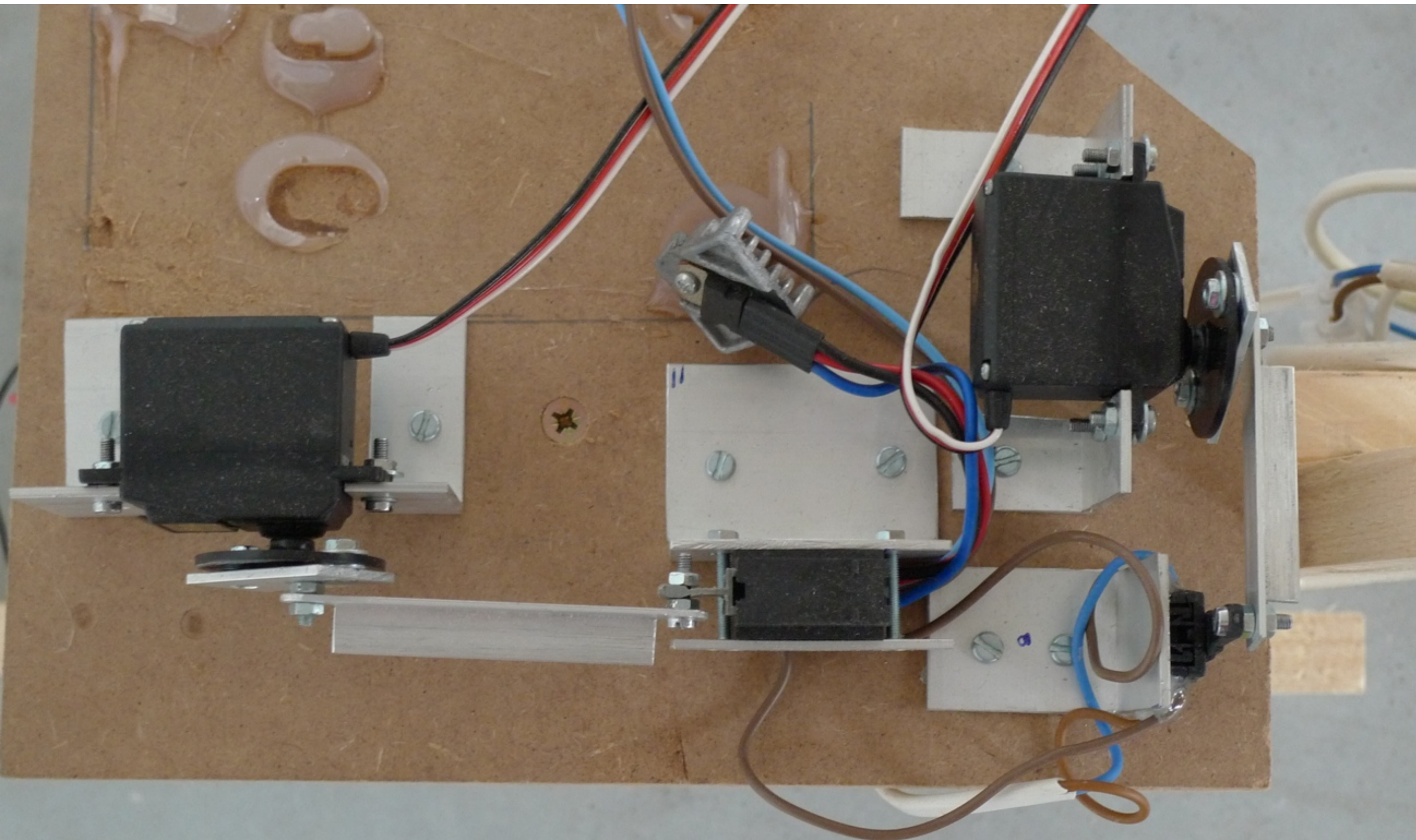
2011 - I sound therefore I am



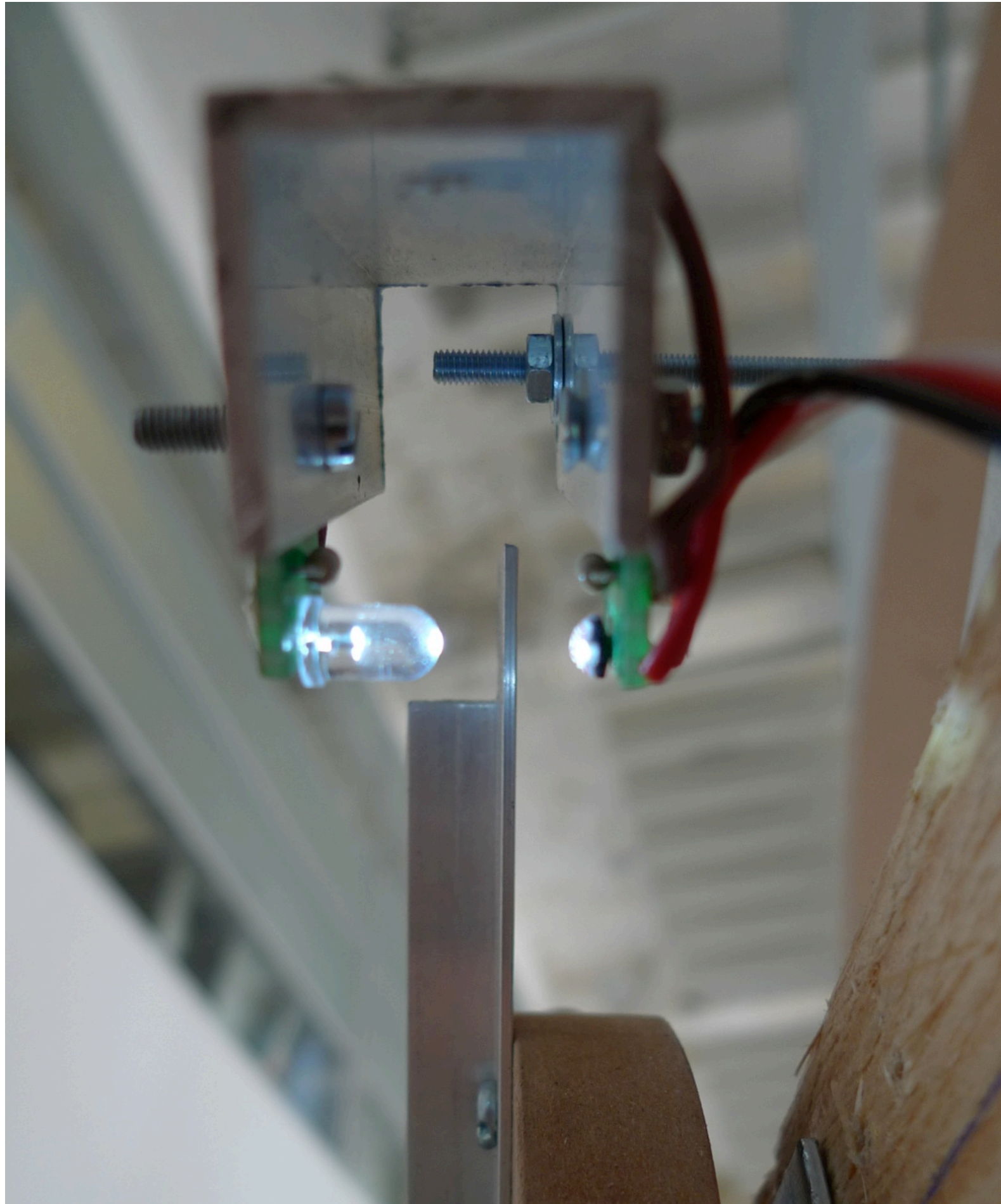
2011 - I sound therefore I am



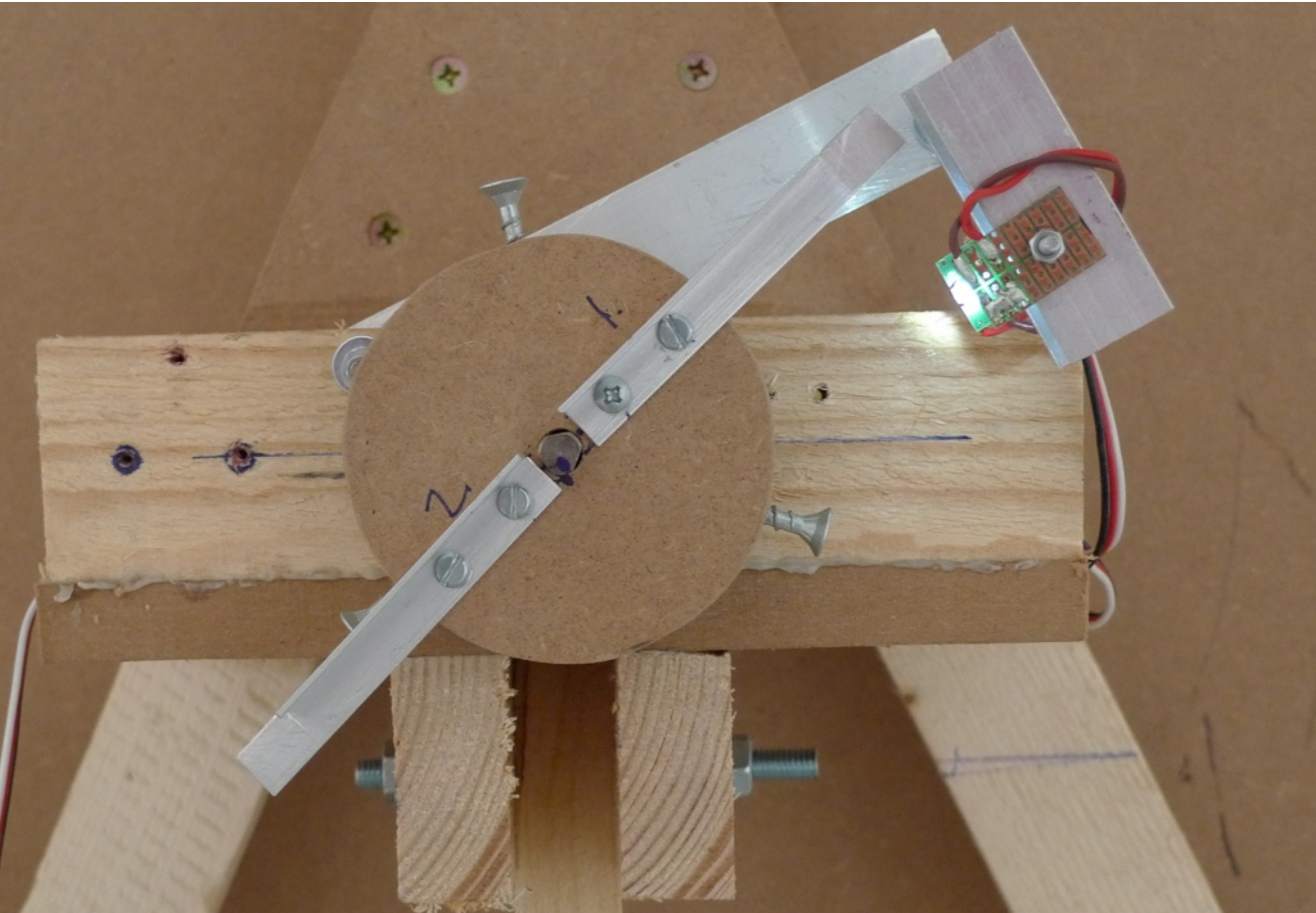
2011 - I sound therefore I am



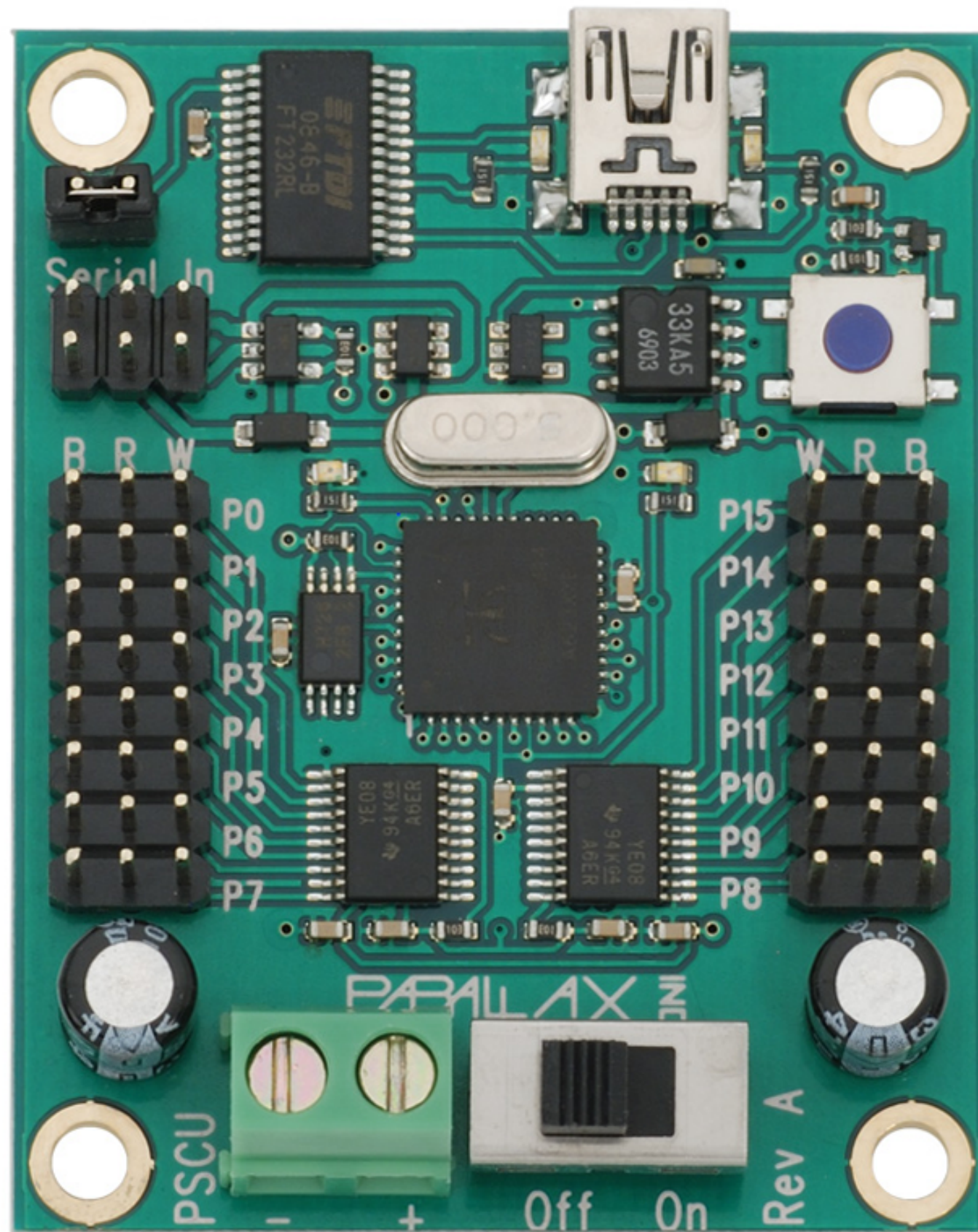
20 I I - I sound therefore I am



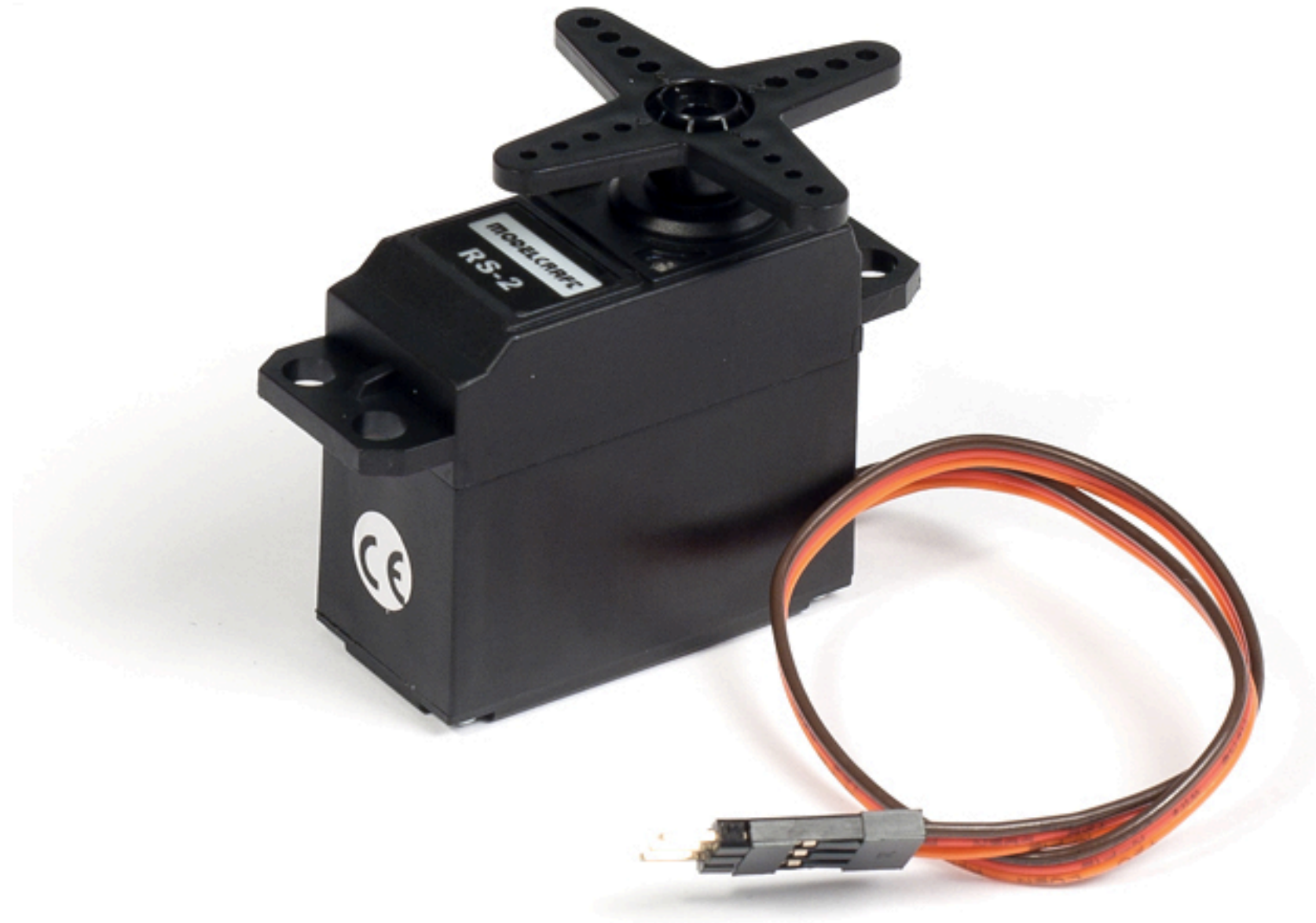
2011 - I sound therefore I am



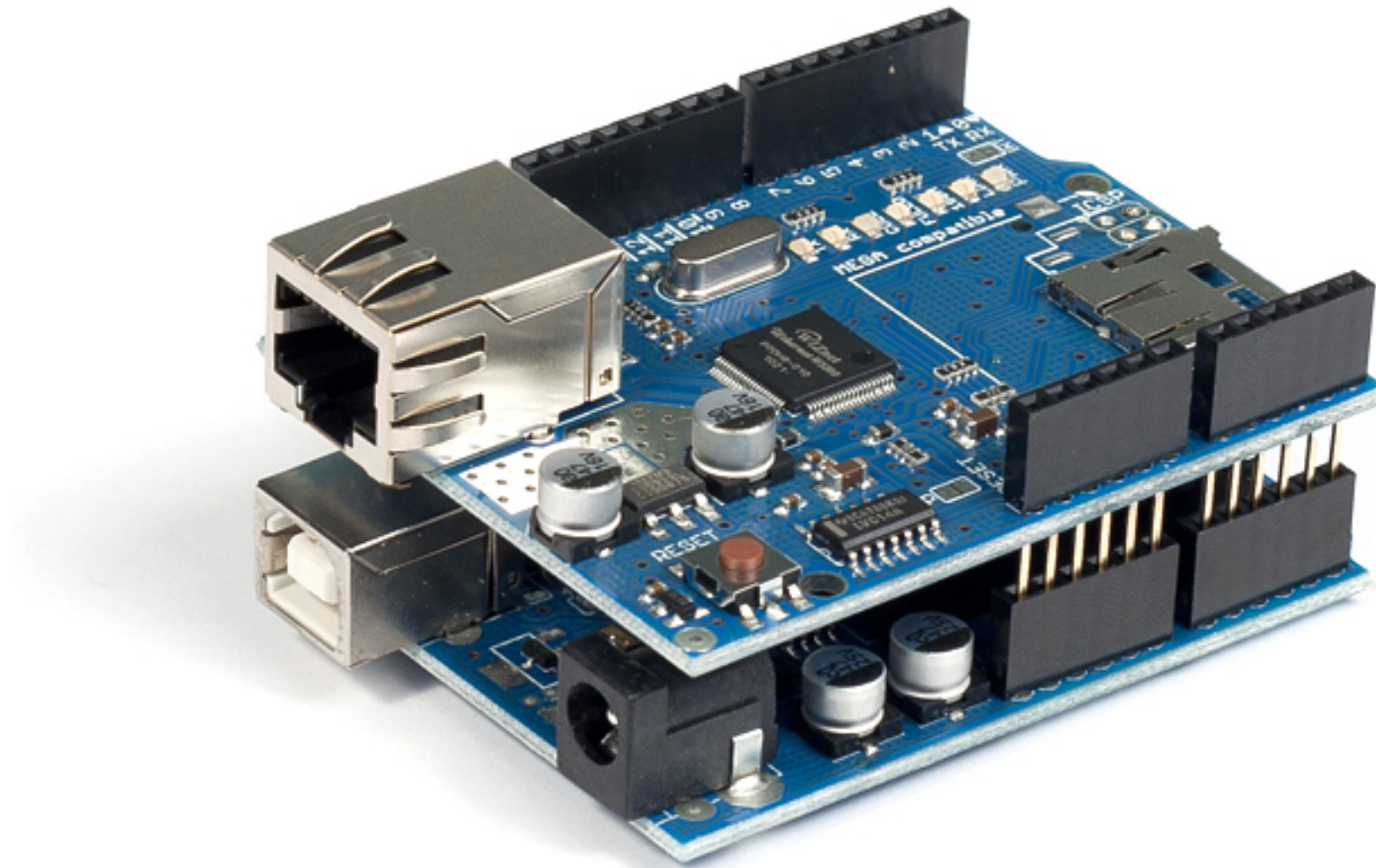
2011 - I sound therefore I am



2011 - I sound therefore I am



2011 - I sound therefore I am



2011 - I sound therefore I am

TERRATEC 

Rear View



8 – Digital S/PDIF input (Toslink)

9 – Digital S/PDIF output (Toslink)

10 – Analog stereo line input (3.5mm jack plug)

11 – Analog stereo line output “Front” (3.5mm jack plug)

12 – Analog stereo line output “Surround” (3.5mm jack plug)

13 – Analog stereo line output “Rear” (3.5mm jack plug)

14 – Analog stereo line output “Center/Sub” (3.5mm jack plug)

2011 - I sound therefore I am



2011 - I sound therefore I am



2011 - I sound therefore I am



2011 - I sound therefore I am



2011 - I sound therefore I am



2011 - I sound therefore I am



2011 - I sound therefore I am



<http://www.youtube.com/watch?v=Vt99DjwLnBI>

2011 - I sound therefore I am



accgbacabagcacabbacagbcaaa
bcccbbbcgcgccccabggabgaccc
cccbcacabaggggbcccbbgaccac
cabccbcgcacccccbcacccacbag
gabaccaacaacccbacccacccbbba
acagbacabagcacabaaagccabbb

Ruud Lanfermeijer

<http://www.youtube.com/watch?v=SLlrdogxt34>

2011 - I sound therefore I am



gcacabbacagbcaaabcccbbbcgcg
bccccabggabgaccccccbcacaba
ggggbcccbbgaccaccabccbccg
accccbcacccacbaggabaccaaca
aaccbacccacccbbbaacagbacaba
gbacabaaagccabbbaccgbacaba

Henk Kesler

<http://www.youtube.com/watch?v=mYuj6XLrKmw>

2011 - I sound therefore I am



acabbacagbcaaabcccbbbcgcgc
cccabggabgacccccbcagabagg
ggbcccbbgaccaccabccbccac
cccbcacccacbaggabaccaaaa
ccbaccacccbbbaacagbacabagc
acabaaagccabbbaaccgbacabagc

Karel Ringenoldus

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

2011 - I sound therefore I am



bbbaccgbacabagcacabbacagbc
aaabcccbcbcbgcbcccabggabga
ccccccbcagabaggagbcccbbgac
caccabccbcgccaacccbcacccac
baggabaccaaacacccbacccacc
bcaacagbacabagbacabaaagcca

Corine Engelbarts

<http://www.youtube.com/watch?v=3PZuBzzJgII>

2012 - Powerplay - You make the majority



monument, media, questionnaire

2012 - Powerplay - You make the majority



3D scan faforite body part, Kinect, KScan3D

2012 - Powerplay - You make the majority



choose
interesting
perspective

laser cutter
foamboard

2012 - Powerplay - You make the majority



2012 - Powerplay - You make the majority



user power tool to set line in motion

2012 - Powerplay - You make the majority



2012 - Powerplay - You make the majority



2012 - Powerplay - You make the majority

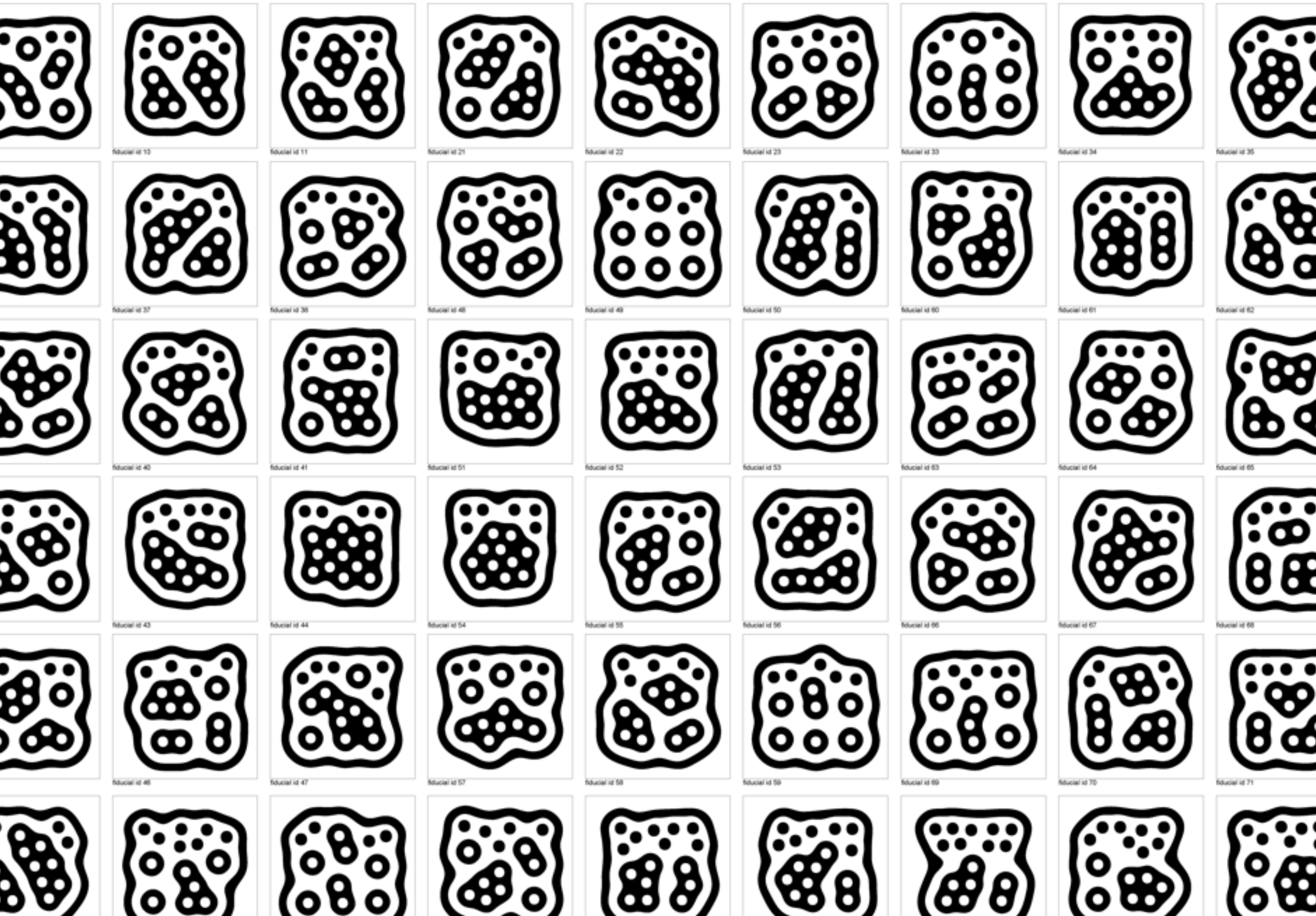


2012 - Powerplay - You make the majority



fiducial
webcam
calibration x,y

2012 - Powerplay - You make the majority



2012 - Powerplay - You make the majority



2012 - Powerplay - You make the majority



2012 - Powerplay - You make the majority



2012 - Powerplay - You make the majority



<http://www.youtube.com/watch?v=74nRNORRiTY>

2003 - Running Cinema



- gevangenis Veenhuizen -

2003 - Running Cinema



<http://www.youtube.com/watch?v=YLJlh80zV7Y>

EDIT TRAININGS-SCHEMA'S

trainings-schema's:

veen,adam,koln,rome15 min
keulen,munchen,rome 11 min
adam,munchen,verona,reggio/10min
opendagflorence/rome/reggio/6min.
opendagveenhuizen/frankfurt/napels/5min
veen,adam,koln,frankfurt,rome21min
opendaginnsbruck/verona/florence/6min.
opendagfrankfurt/verona/rome/reggio/6min.
venn,adam,koln,rome,reggio,florence15 min
koln,innsbruck,napels/15min.
opendagmunchen/stuttgart/verona/5min.
opendagveenhuizen/adam/innsbruck/6min.
opendagstuttgart/florence/napels/rome/7mi
opendagadam/koln/florence/napels/6min.
opendagkoln/munchen/napels/reggio/7min.
opendagflorence/rome/reggio/6min.

new

delete

naam

copy

paste

up

down

check

trainings-schemas-list
voor consistentie

save_trainings_schemas
to_text_file

Preferences

movie-folder

Voorstelling

to-do

file-use-history

check_recording
playback

steden:

Veenhuizen 3min. 120:42
Amsterdam 5min. 104:28
Keulen 4min. 79:20
Rome 3min. 250:44

new

delete

naam

tijd

up

down

verdeel alles

standaard stad tijd : 5

snelheden:

5:00 hardlopen 16:53
5:00 joggen 17:32
5:00 lopen 26:00
5:00 snel hardlopen 14:40
5:00 sprinten 29:21

verdeel tijd

soorten:

2:00 close 5:46 10
1:00 omgeving 9:24 12
1:30 ontmoetingen 5:12 11
0:30 ritten in de stad 5:36 1

edit

0 sec.

0 min.

1 sec.

1 min.

2 sec.

2 min.

3 sec.

3 min.

4 sec.

4 min.

5 sec.

5 min.

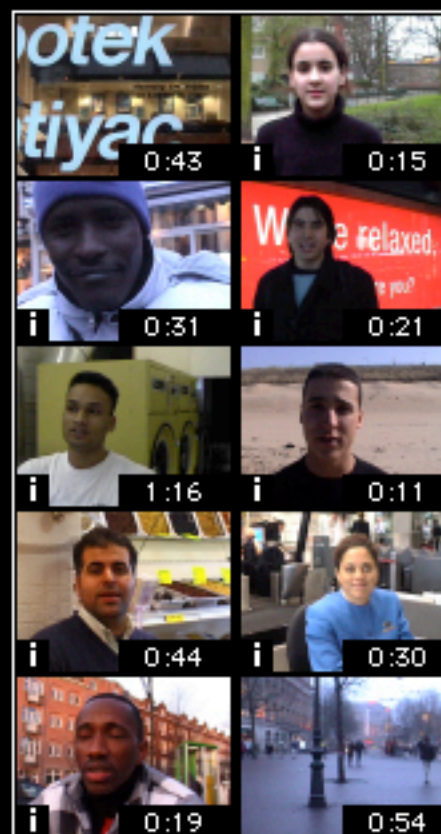
10 sec.

15 sec.

20 sec.

30 sec.

45 sec.



MOVIE-FOLDER

steden:

Amsterdam
Florence
Frankfurt
Innsbruck
Keulen
Munchen
Napels
Reggio
Rome
Stuttgart
Veenhuizen
Verona

snelheden:

hardlopen
joggen
lopen
snel hardlopen
sprinten

soorten:



naam :clown
snelheid :hardlopen
soort :close
lengte :0:03
audio :0

save_movie_folder
statistics_to_text_file

show_movie_folder
statistics

check_for_files_with
identical_begin_end_frames

check_audio_status
file_labels

check
audio_tracks_exist

update_movie_folder_file_data

create_movie_icons

check_for_interview
only_soort_folders

☐ skip files with no audio

make alias

lengte totaal : 01:44:28

aantal totaal : 99

stad-movie-list :

<

1

>

1 hardlopen close clown
2 hardlopen close fun2
3 hardlopen close lorenzo
4 hardlopen close marion
5 hardlopen close preek
6 hardlopen close stewardess
7 hardlopen close zonnebril
8 hardlopen omgeving beachfight2
9 hardlopen omgeving busfilm
10 hardlopen omgeving damrak
11 hardlopen omgeving fotostudio
12 hardlopen omgeving fun6
13 hardlopen omgeving meeuwengracht
14 hardlopen omgeving nol2
15 hardlopen omgeving schiphol3

23:38:52 fill_stad_movie_list
23:38:52 movie_folder_current_selected_stad 1
23:38:52 stad_movie_list_deselect

☐ audio

☐ interview

set label geluid behouden

set label geluid uit

set label geluid bewerken

volumes-list :

check aliassen

•Innsbruk Napels:MOVIES_KLAAR
•Florence Rome Verona:MOVIES_KLAAR
•Keulen Munchen Stuttgart:MOVIES_KLAAR
•Ams Frank Reggio Veen:MOVIES_KLAAR

check
file-creator

check
file_durations

check for
identical files

check
trainings-schemas-list
voor consistentie

check for black start- /
end-frames

check_for_changes
in_movie_folder

delete
error_files
aliassen_folder

Voorstelling

edit
trainings-schema's

file-use-history

to-do

Preferences

check_recording
playback

list audio-off files

set audio-off files label

list_audio_bewerken_files

list_blue_audio_off_files

list_audio_behouden_files

list_cyan_interview_files

list_alle_files
alfabetisch

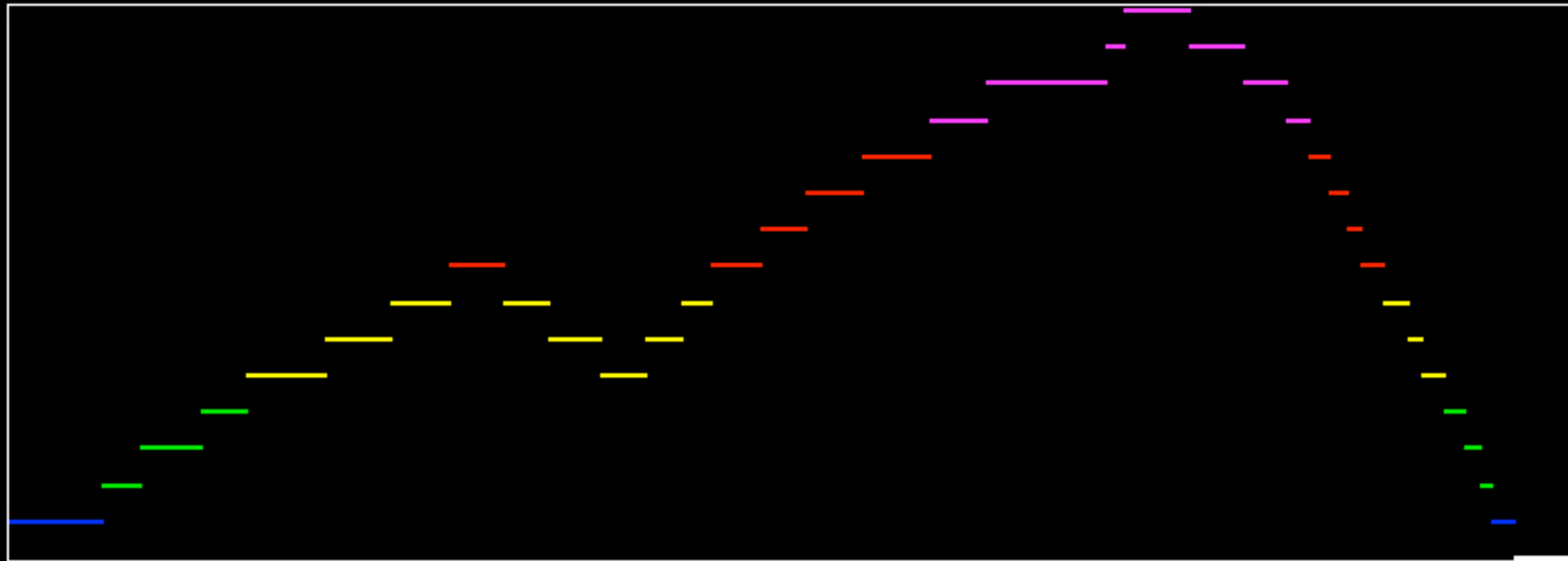
list_alle_files
duration

2003 - Running Cinema



2003 - Running Cinema

SCORE-OVERZICHT



tijdsduur 3:32

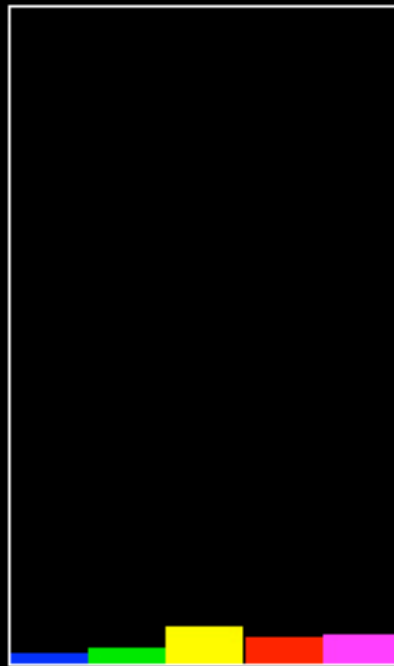
lopen - blauw 0:15

joggen - groen 0:25

hardlopen - geel 1:04

snel-hardlopen - rood 0:46

sprinten - paars 0:51



2005 - Peace searching machine



2005 - Peace searching machine

The screenshot shows a web browser window titled "Vredeszoeker Admin". The address bar displays "http://195.86.127.78:8080/admin/urls". The page content includes a header "Pax Christi Vredeszoeker" and a navigation link "« Terug naar menu | Help over deze pagina". There are two main sections: "Zoektermen:" and "URL's:". The "Zoektermen:" section has a text input field containing a list of terms separated by commas: "Abbe Pierre, Afghanistan, antiracisme, antisemitisme, apartheid, Arab Educational Institute, bibliotecas independientes, bijbel, ...". The "URL's:" section has a text input field containing a list of URLs separated by commas: "http://www.aaaa.asso.fr/afrique/part_2_themes/photo/index, http://www.abc.net.au/religion/stories/, http://www.alliance2015.org/, http://www.artsenzondergrenzen.nl/, http://www.bbc.co.uk/, http://www.bibliocuba.org/website/index.php, http://www.bothends.org/". Below the input fields is a button labeled "Opslaan". At the bottom of the browser window, there is a status bar with the text "Klaar" and a logo for "The Bluewise Department".

Vredeszoeker Admin

http://195.86.127.78:8080/admin/urls

Google

Pax Christi Vredeszoeker

« Terug naar menu | Help over deze pagina

Zoektermen:

Geef zoektermen op en scheid deze met komma's.

Abbe Pierre,
Afghanistan,
antiracisme,
antisemitisme,
apartheid,
Arab Educational Institute,
bibliotecas independientes,
bijbel,
...

URL's:

Geef URL's van sites op en scheid d.m.v. komma's.

14 http://www.aaaa.asso.fr/afrique/part_2_themes/photo/index
7 http://www.abc.net.au/religion/stories/
30 http://www.alliance2015.org/
7 http://www.artsenzondergrenzen.nl/
7 http://www.bbc.co.uk/
7 http://www.bibliocuba.org/website/index.php,
30 http://www.bothends.org/

Opslaan

The Bluewise Department

Klaar

2005 - Peace searching machine

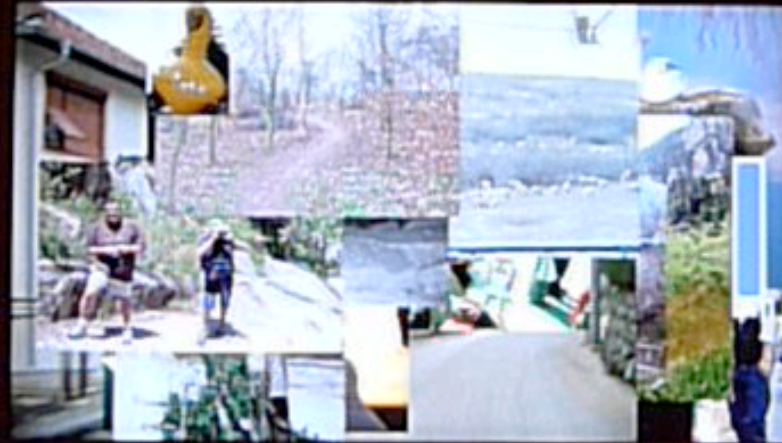
Sound Beam



2005 - Peace searching machine



2005 - Peace searching machine



<http://www.youtube.com/watch?v=KTiq0tmInZ8>

2005 - Peace searching machine



<http://www.youtube.com/watch?v=IWUmY9E67go>

2012 - SP



<http://www.youtube.com/watch?v=GsgJa47Wifs>

2011 - Heartbeat of the Hammond

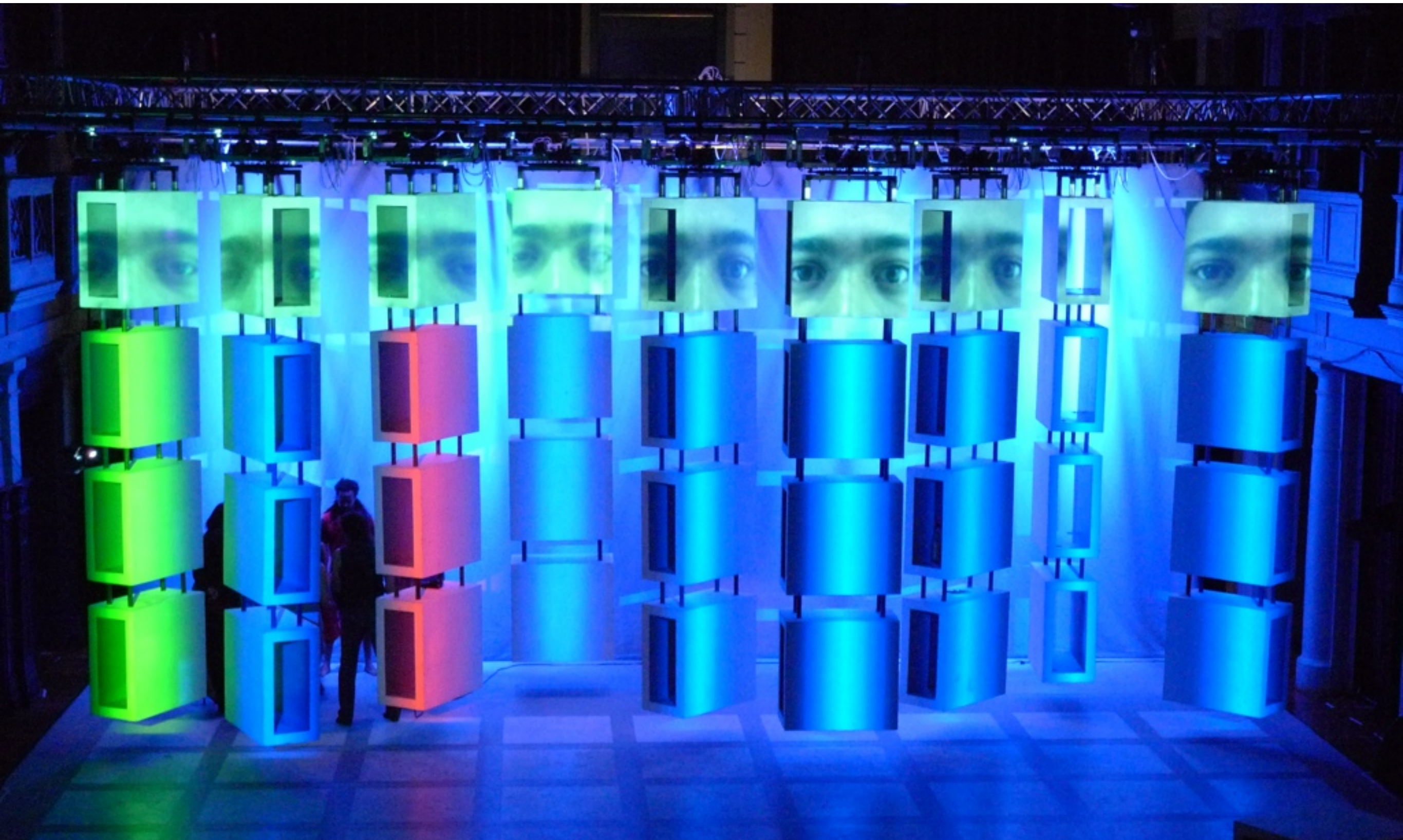


2011 - Heartbeat of the Hammond



<http://www.youtube.com/watch?v=hFzbFzZE3E0>

2008 - Goal



set becomes an actor

2008 - Goal

9

8

7

6

5

4

3

2

1

T22

T15

T14

T14

T19

T16

T16

T12

T 6

R16

R 7

R 1

R 1

R24

R 4

R 1

R 7

R 7

new

edit

del

add

up

down

set

name :

cue :

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opening - alles voor

alles voor

opkomst renzo

interview chantal

t-shirt

liedje-lia

speech-lopez

speech-lopez variant

alles achter

dromen garra

garra verkocht

cirkel 1 krom

cirkel 1 vlak

bos

trap

trap 45

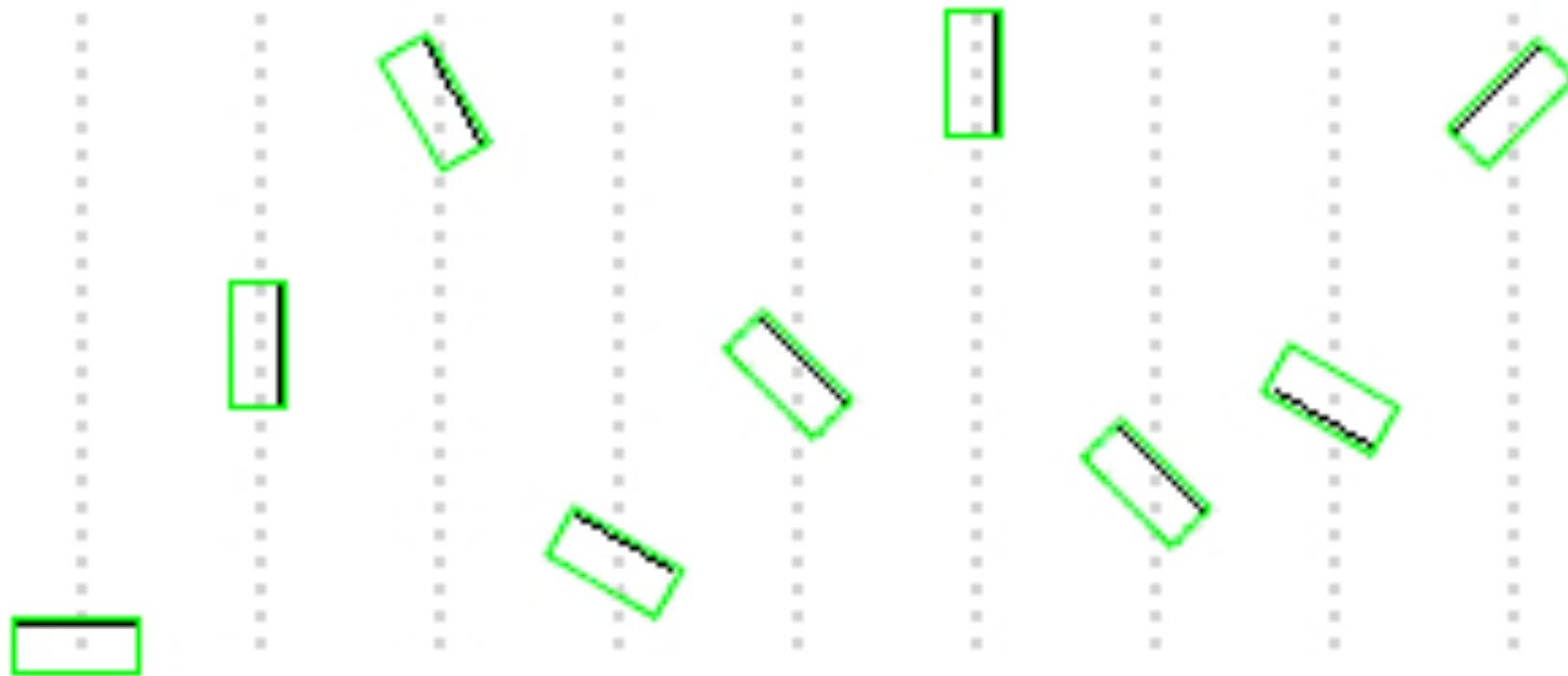
new

move_to_new_settings

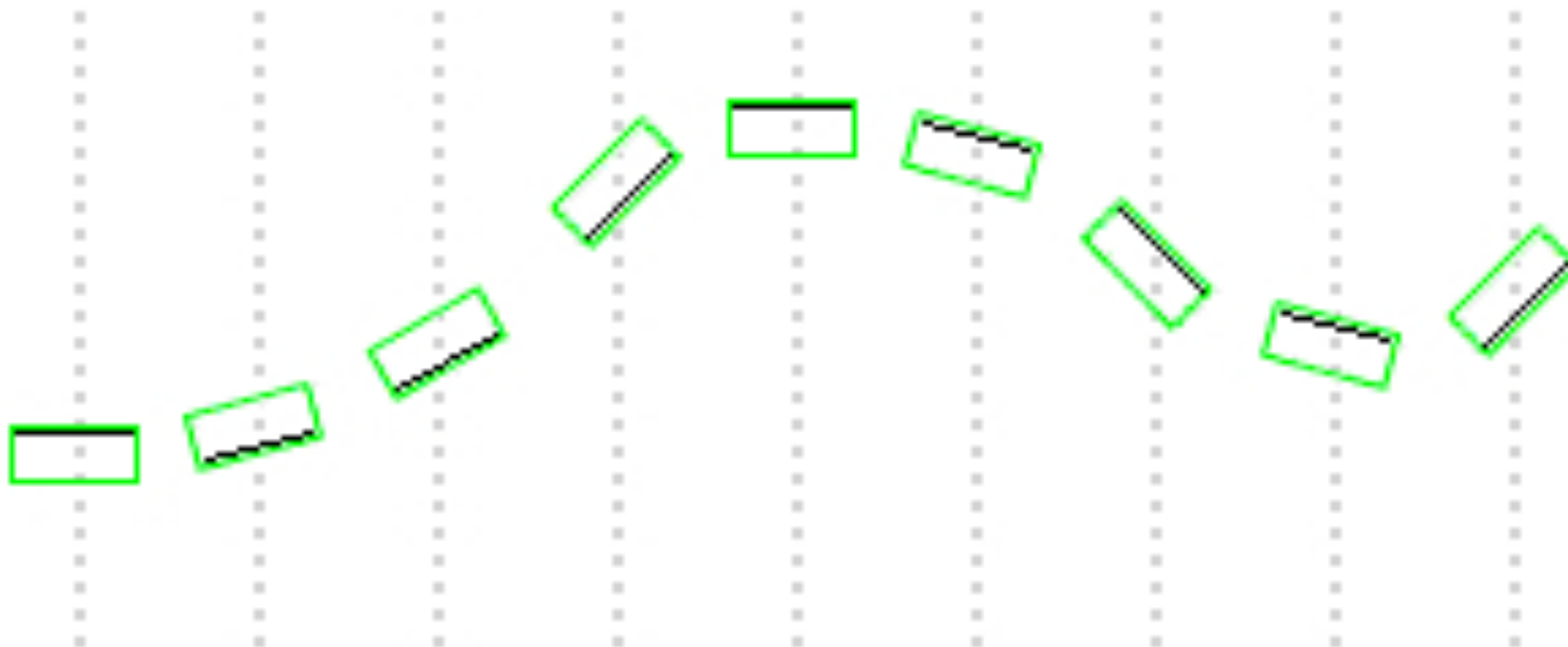
^

v

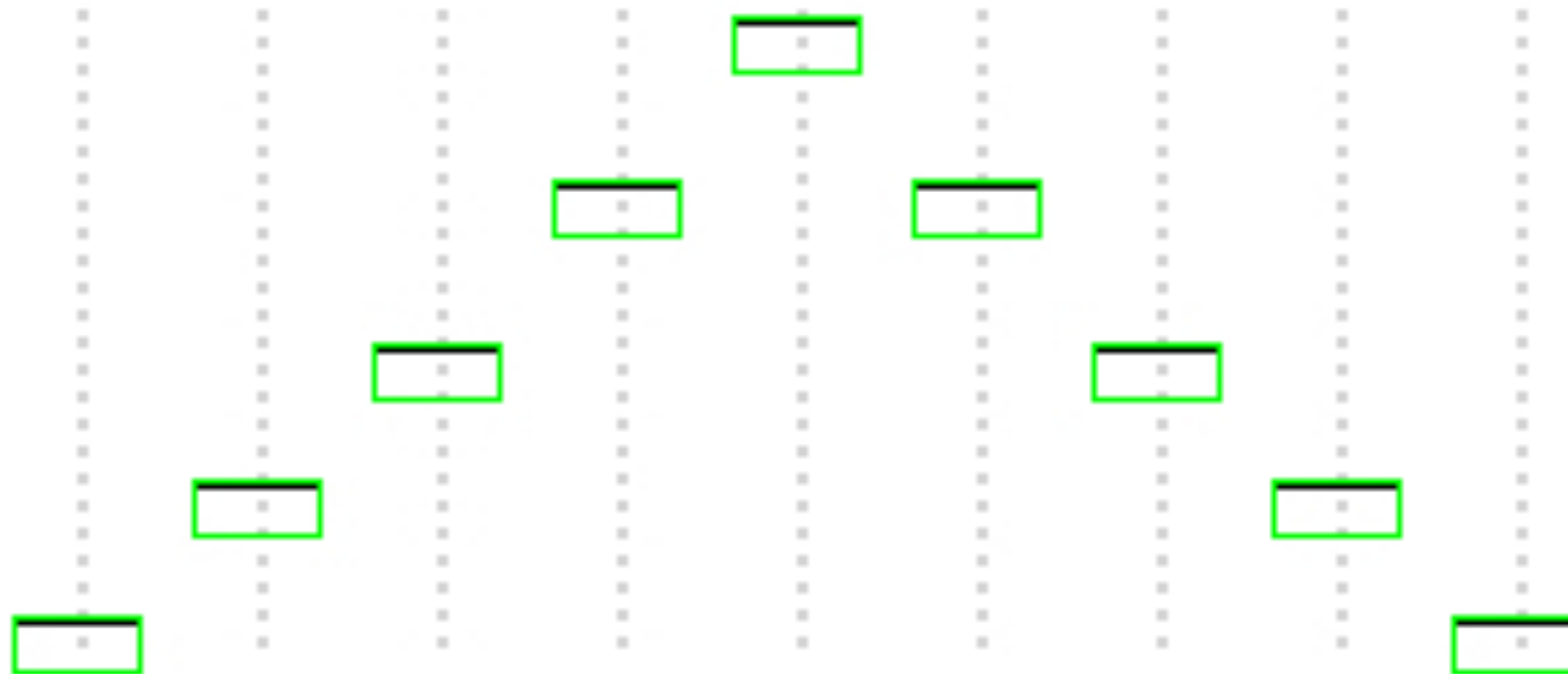
2008 - Goal



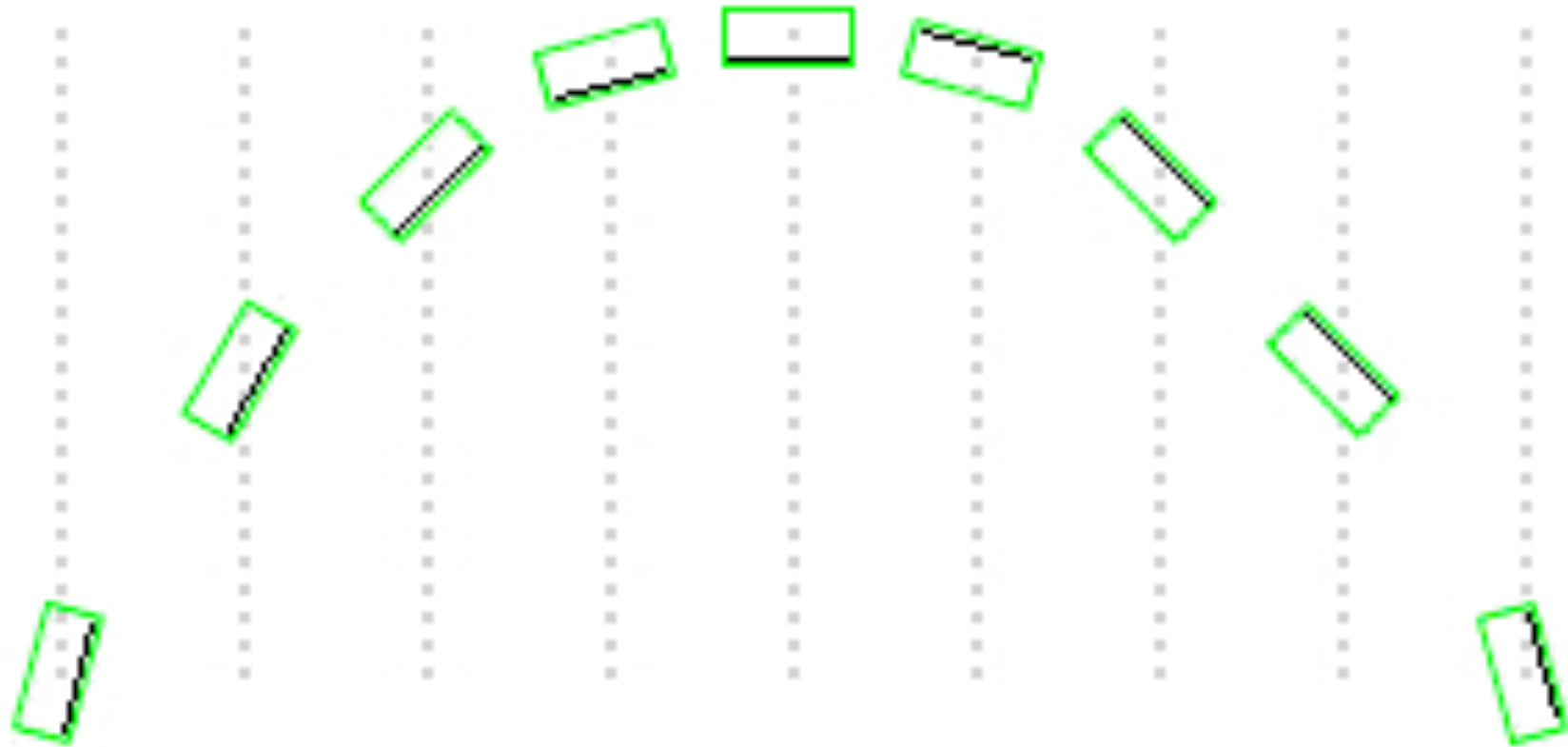
2008 - Goal



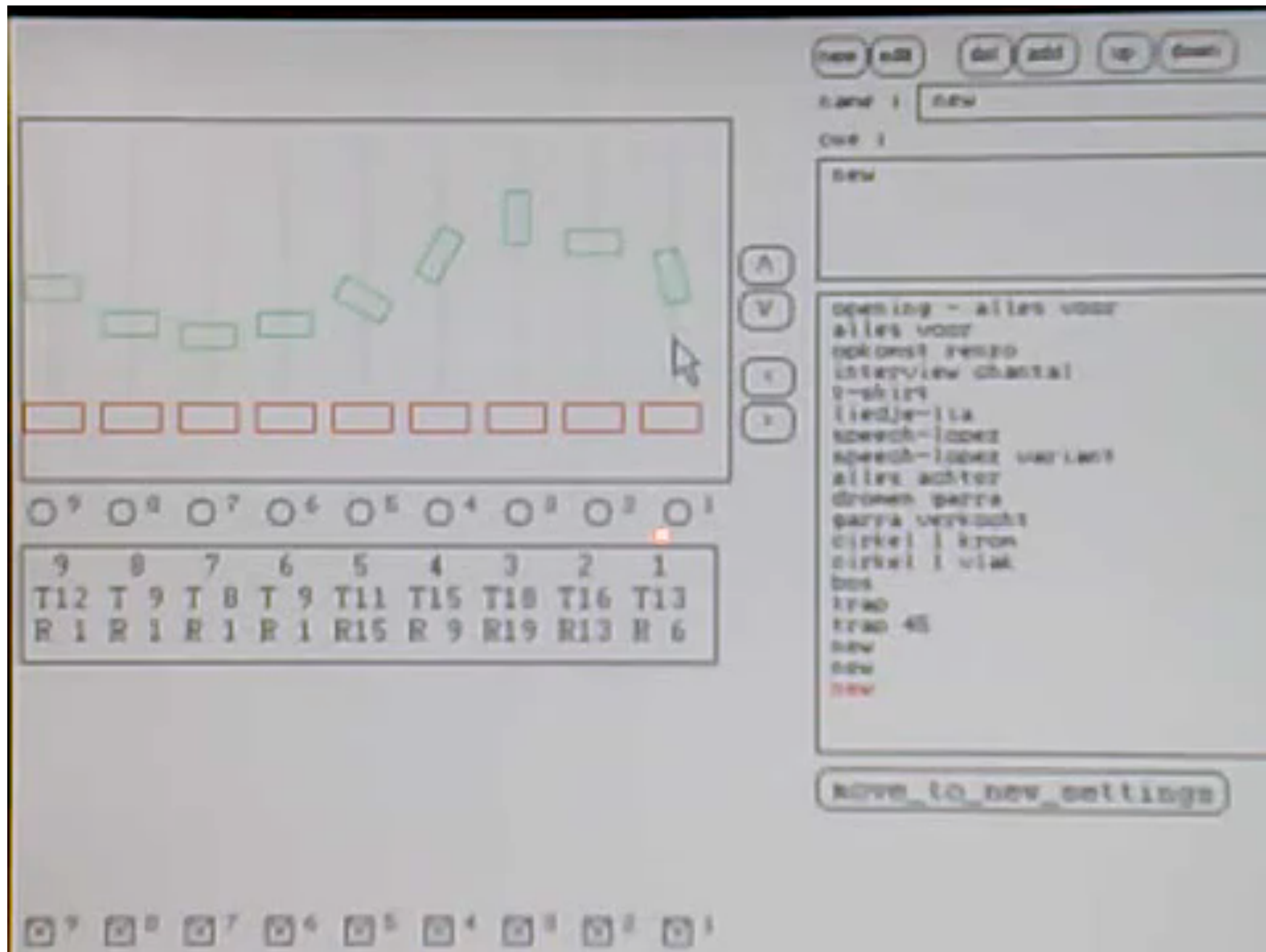
2008 - Goal



2008 - Goal



2008 - Goal



<http://www.youtube.com/watch?v=rxT9wAfiTLs>

2008 - Goal



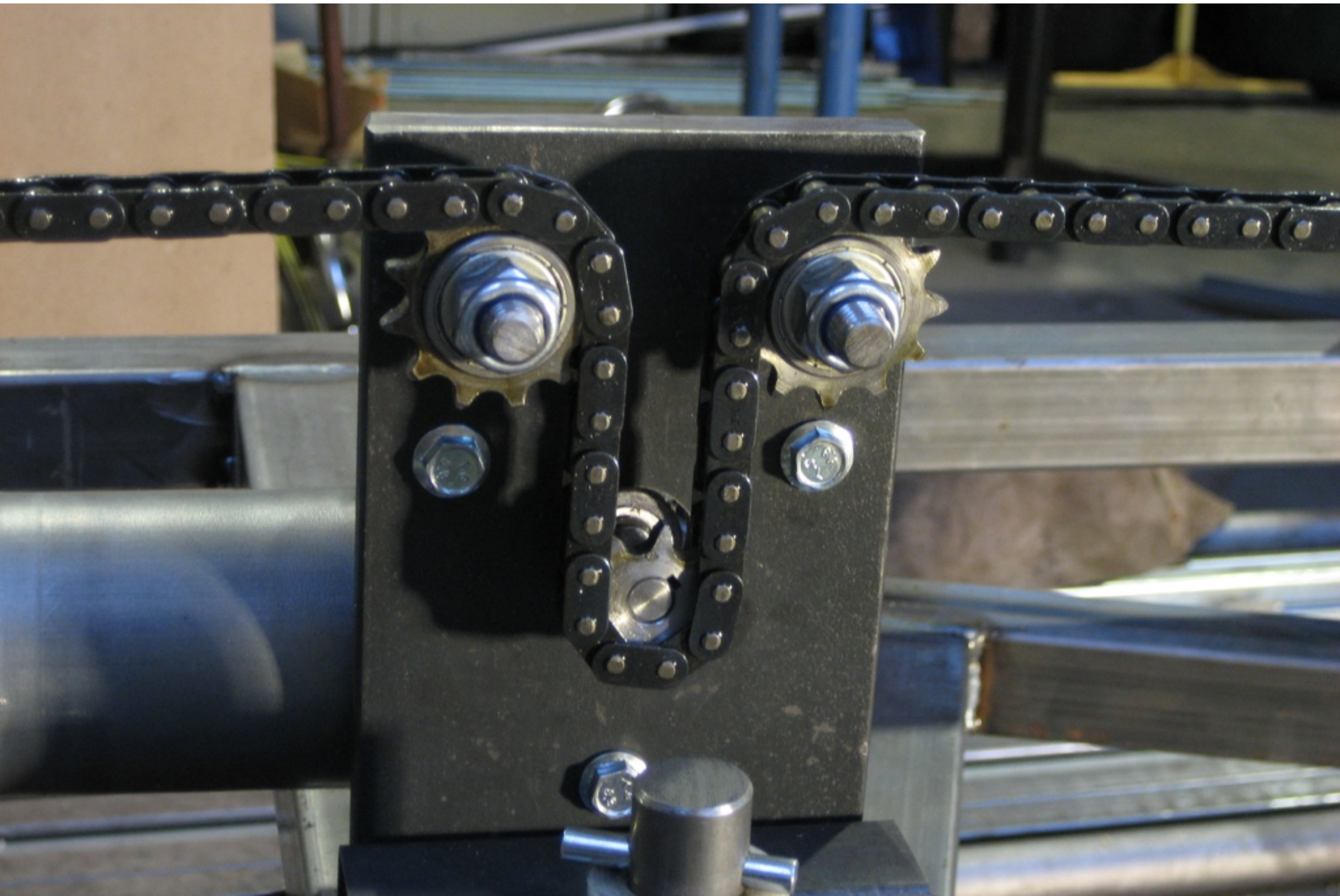
2008 - Goal



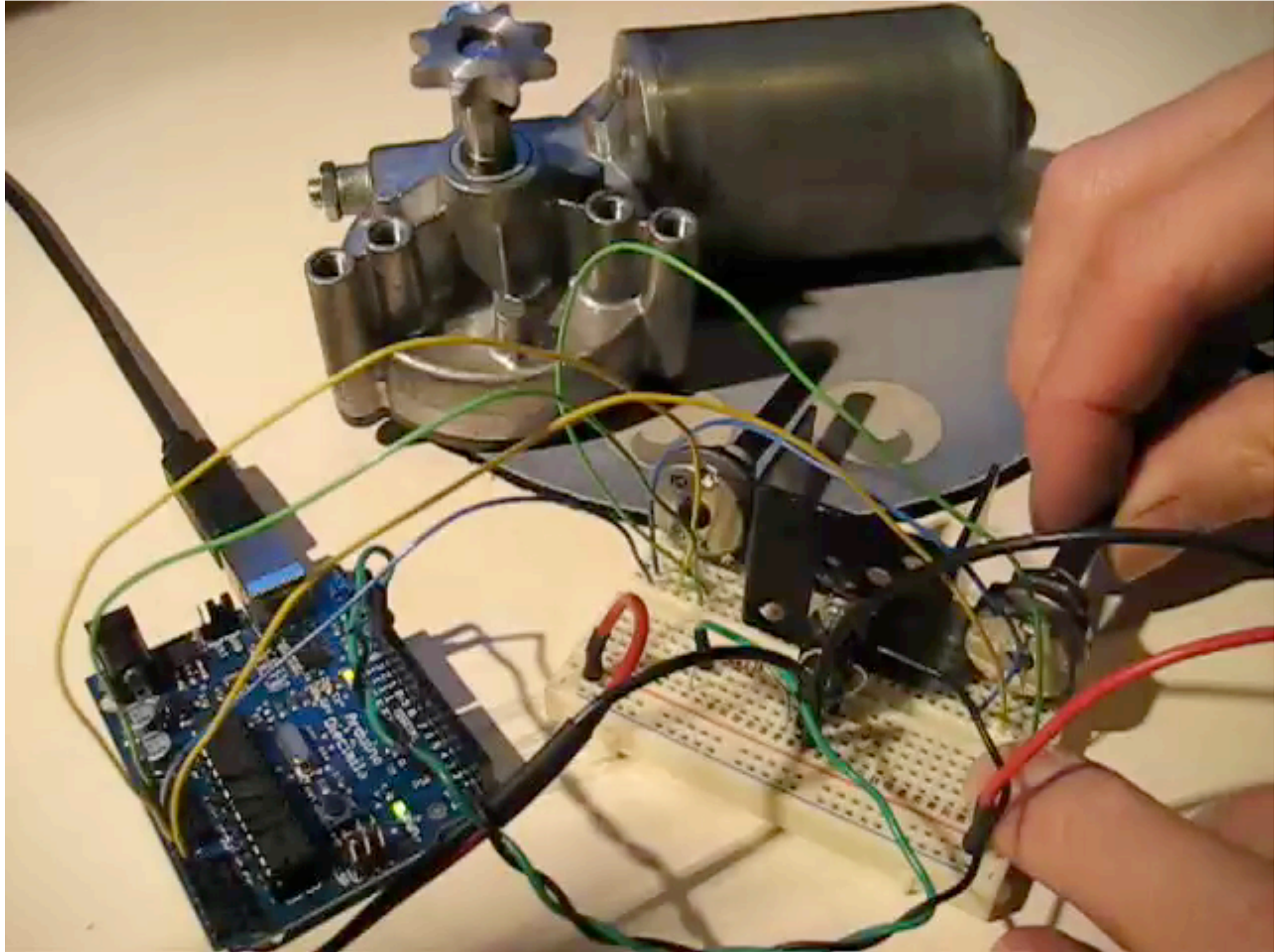
2008 - Goal



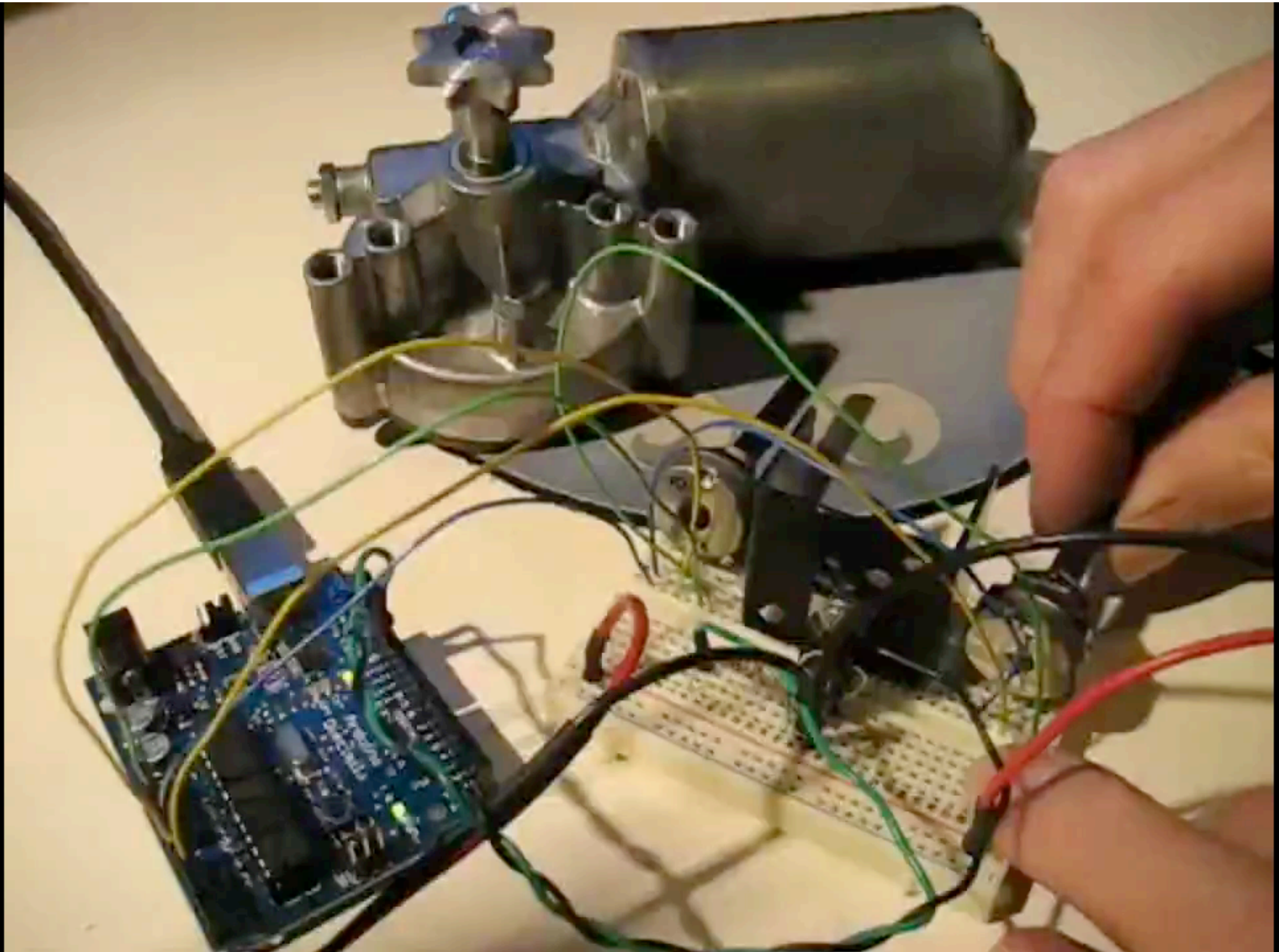
2008 - Goal



2008 - Goal



2008 - Goal

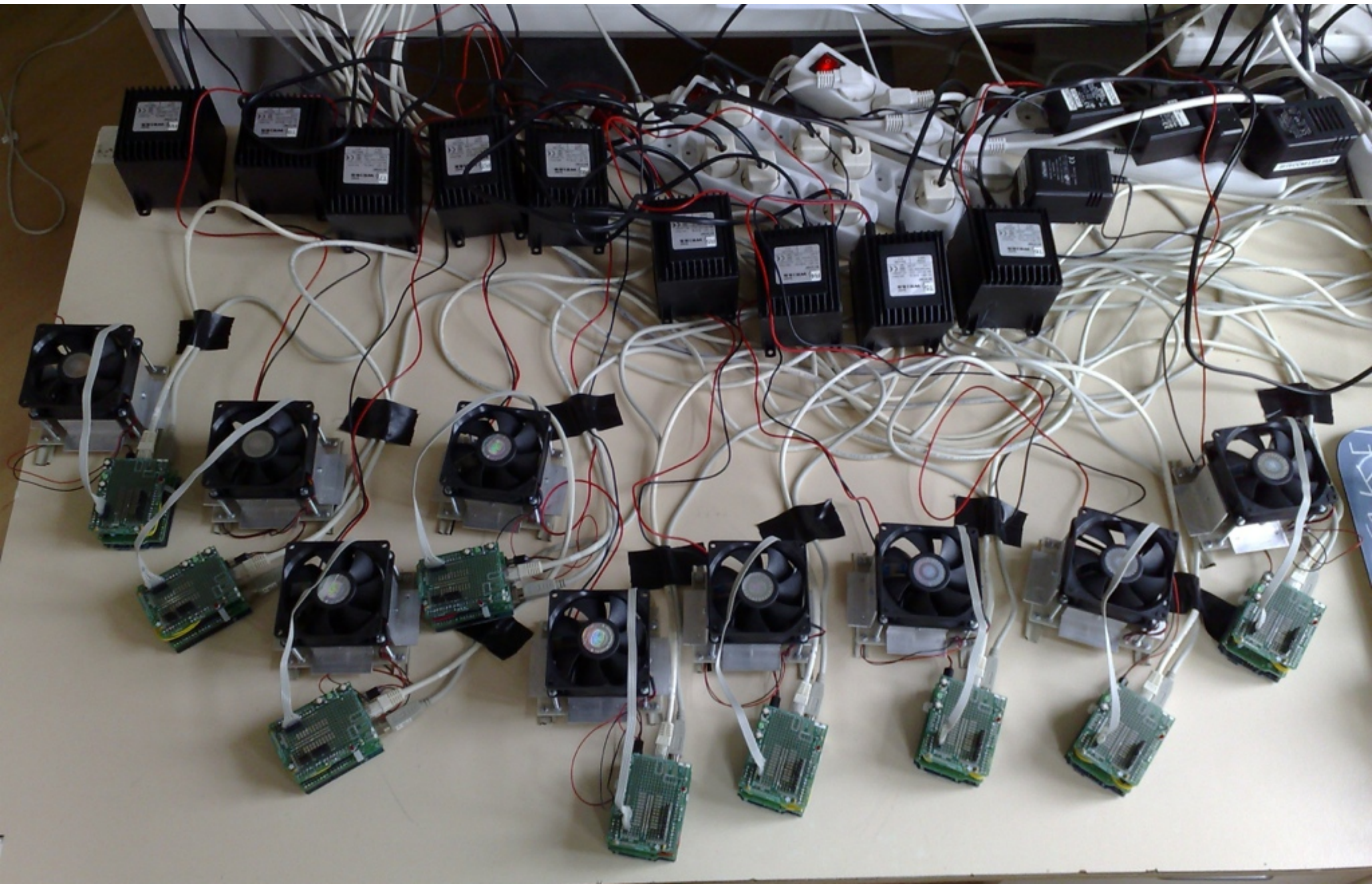


http://www.youtube.com/watch?v=p5hzv6m_8fo

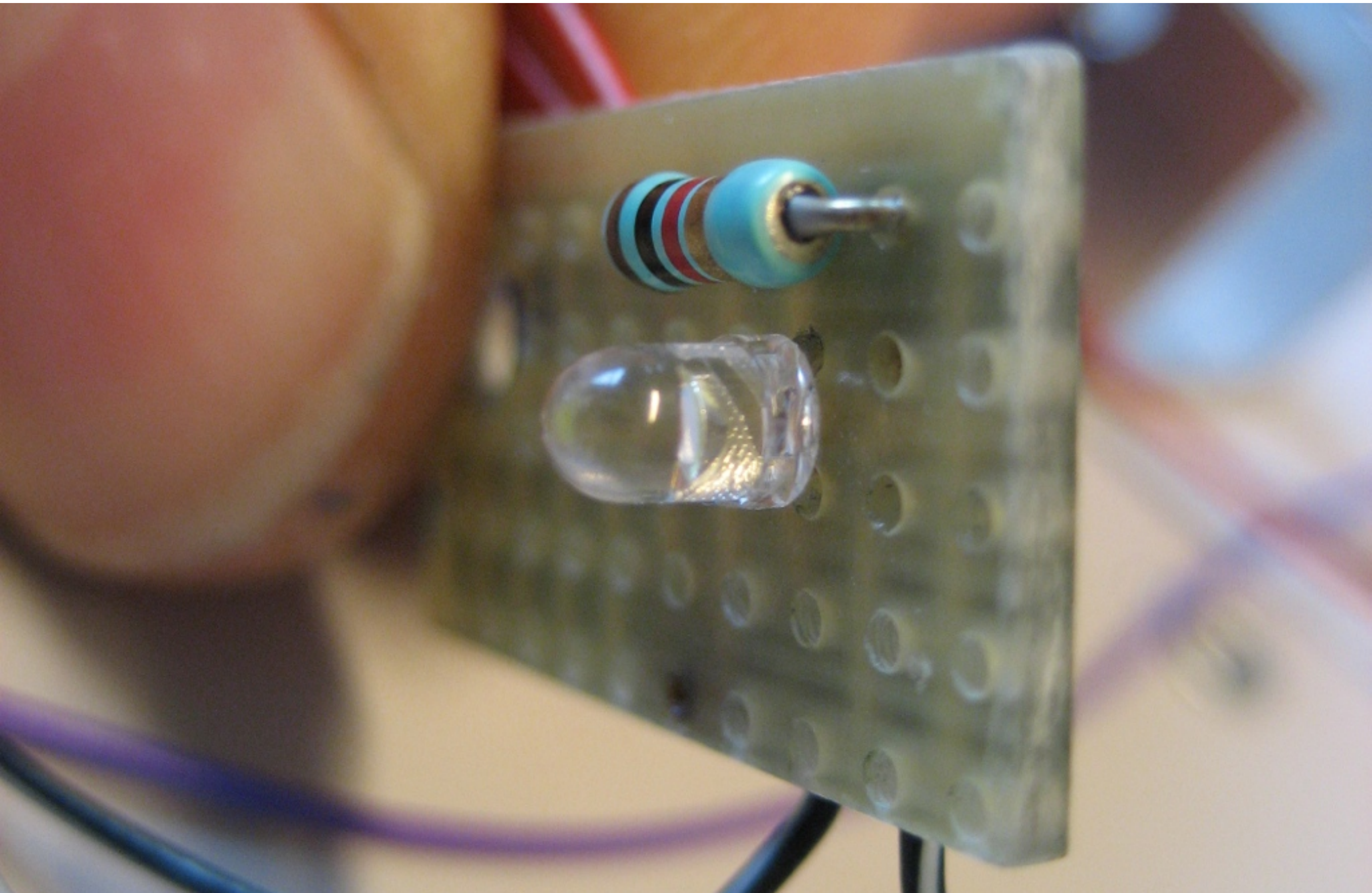
2008 - Goal



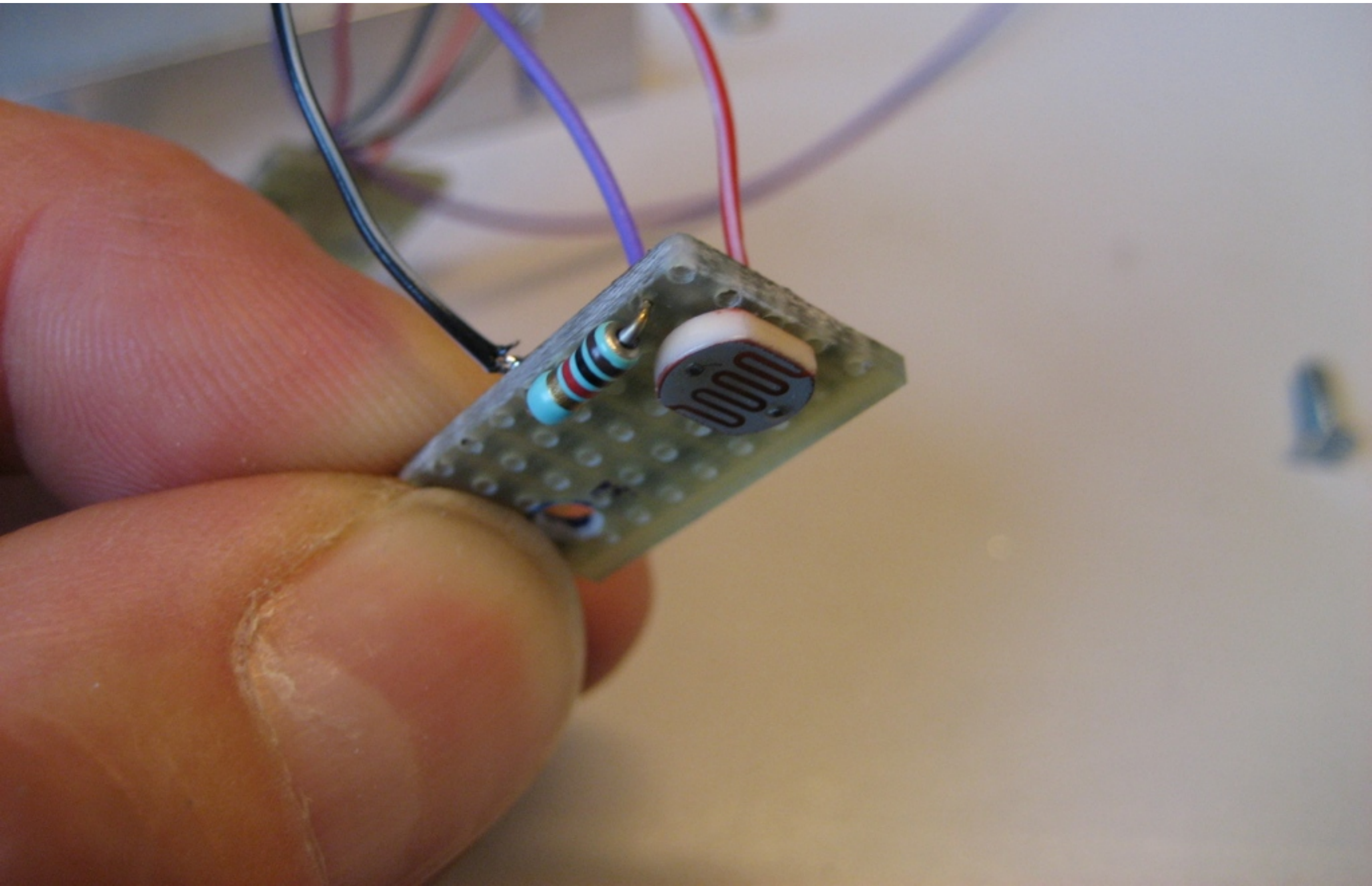
2008 - Goal



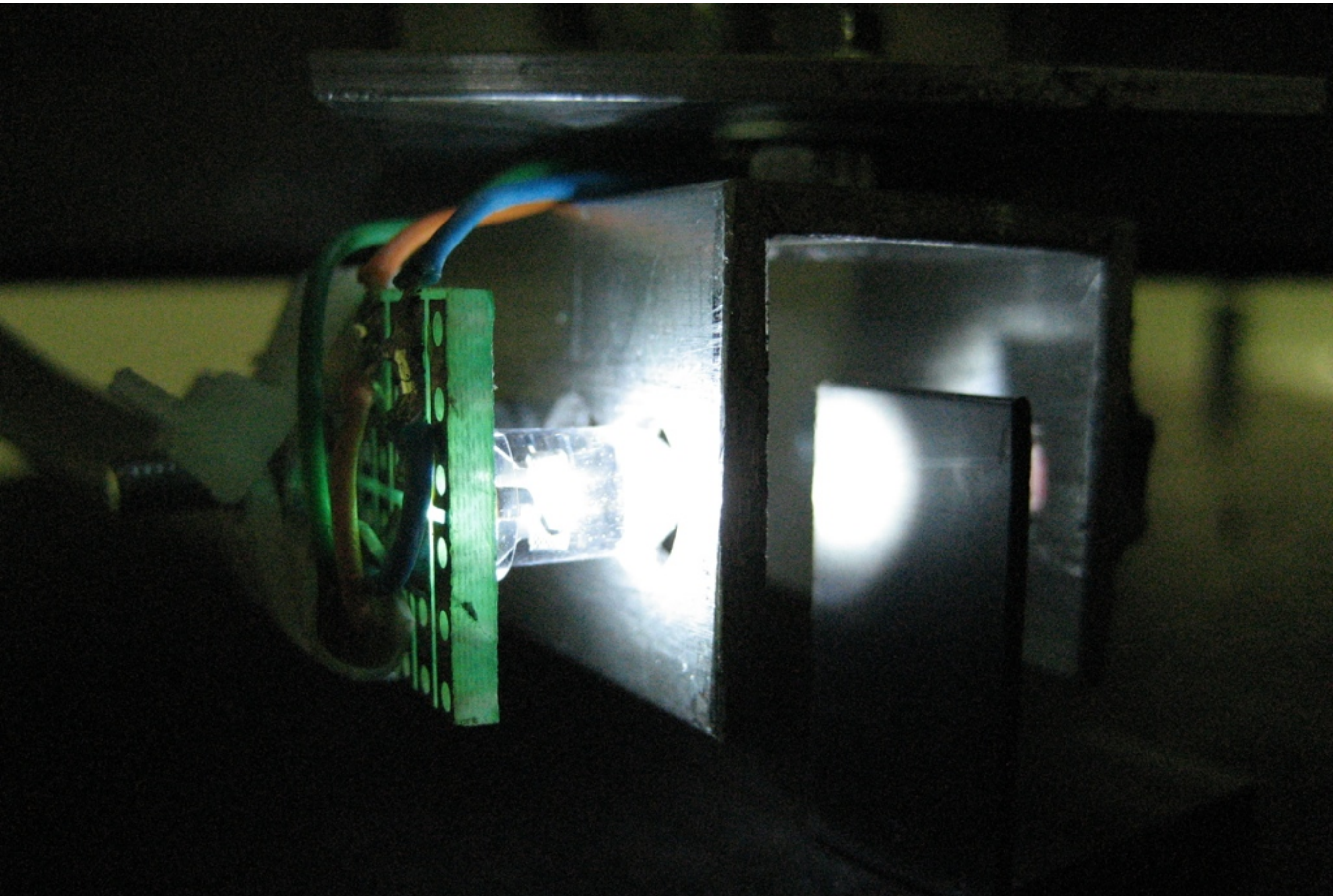
2008 - Goal



2008 - Goal



2008 - Goal



scene: < 7 > add copy paste up down del

003 CAMERA TEST hi-res
004 multimozaiek camera TEST low res
005 clock
006 --
007 CAMERA backstage tijdens inloop
008 Movie blackout tijdens playback garra
009 multimozaiek camera - playback massoud
010 multimozaiek camera - live chantal
011 Movie blackout
012 multimozaiek t-shirt

☐ sound ☐ cam fade in
☒ loop ☐ movie fade in

STORE
SCENE-LIST

can: < 1 > add up
del down edit rotate set start transparency set start angle query camera

6 0 dome backstage

☐ autofocus ☐ autoiris
down - up ☐ auto-next-angle

QUIT

video
settings

update
mozaiek_calibratie

☐ ignore_speed_setting get R T

decor_standen_images_export

move duur: 0 ☐ realtime_mozaiek_calibratie

name: liedje-lia

cue:

als dennis voor 2e keer op blok gaat staan

standen: new add del up down edit set

☐ RT R on: 0 T on: 0
☒ TR R off: 0 T off: 0

1 opening - alles voor
2 opkomst renzo
3 opkomst massoud
4 interview chantal
5 t-shirt - open
6 t-shirt - dicht
7 liedje-lia
8 interview lopez
9 backstage neekijken
10 opkomst Tante Jo
11 opkomst chantal
12 opkomst lia
13 yolande zit op blok 1e diagonaal

move_to_new_settings 7 ^ v

transleren naar begin voor publiek
transleren naar eind tegen achterdoek
reset rotatie lokatie naar 1

☐ SERIAL_IO ☐ VIDEO_IO ☐ NET_IO current keydownscript: check_keys_voorstelling

CURRENT SCENE: "CAMERA backstage tijdens inloop"
cue: "ziet backstage spelers aan tafel"

NEXT SCENE: "Movie blackout tijdens playback garra"
cue: "op moment muziek wordt uitgedraaid. begin voorstelling garra wordt geïnterviewd op rechter scherm achter de blokken. stuk wordt opgenomen en blijft lopen. daarna decor naar achter gaan rijden bij instarten muziek."

beep links beep stereo beep rechts START play-runtime

play-runtime: 00:00:00
system-runtime: 00:00:04
fps: 0
time: 11:47:39 PM
date: Sunday, January 18, 2009
decor move timer: 16 min. 52 sec.

zoom focus pan tilt speed

out near < up in copy paste
in far > down out

0 67 64 29 100

63.6807 29.0214 < > ^ v

set default

R G B

+ + +

- - -

0 0 0

keep updated

☐ video center

fill_movie_list

movies:

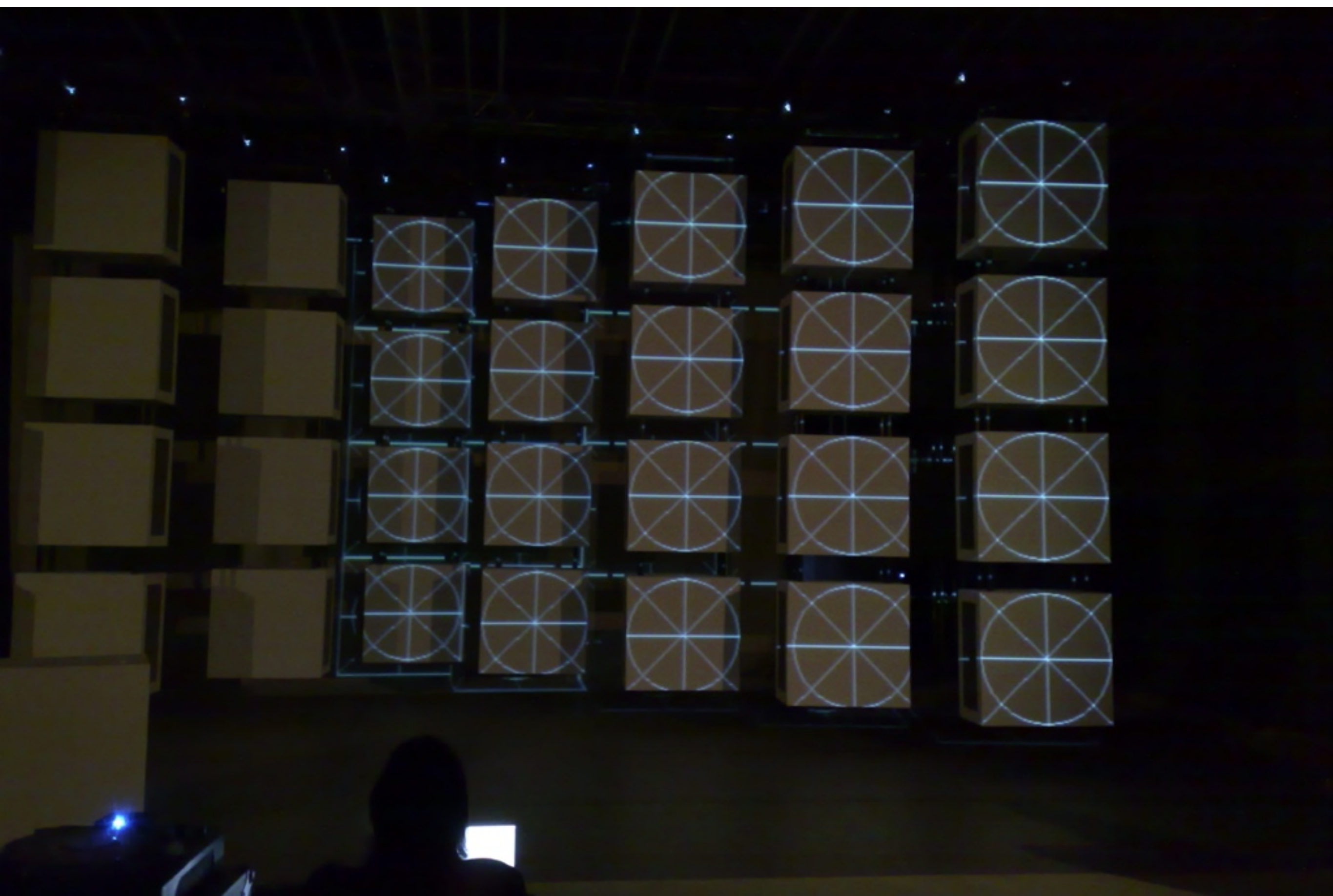
use_selected_movie

feedback:

71
7

import_scene_list_object

2008 - Goal



Script:Movie Script 20:5 26

+ ◀ ▶ □ 5 26

Lingo start_mozaiek...                  

```

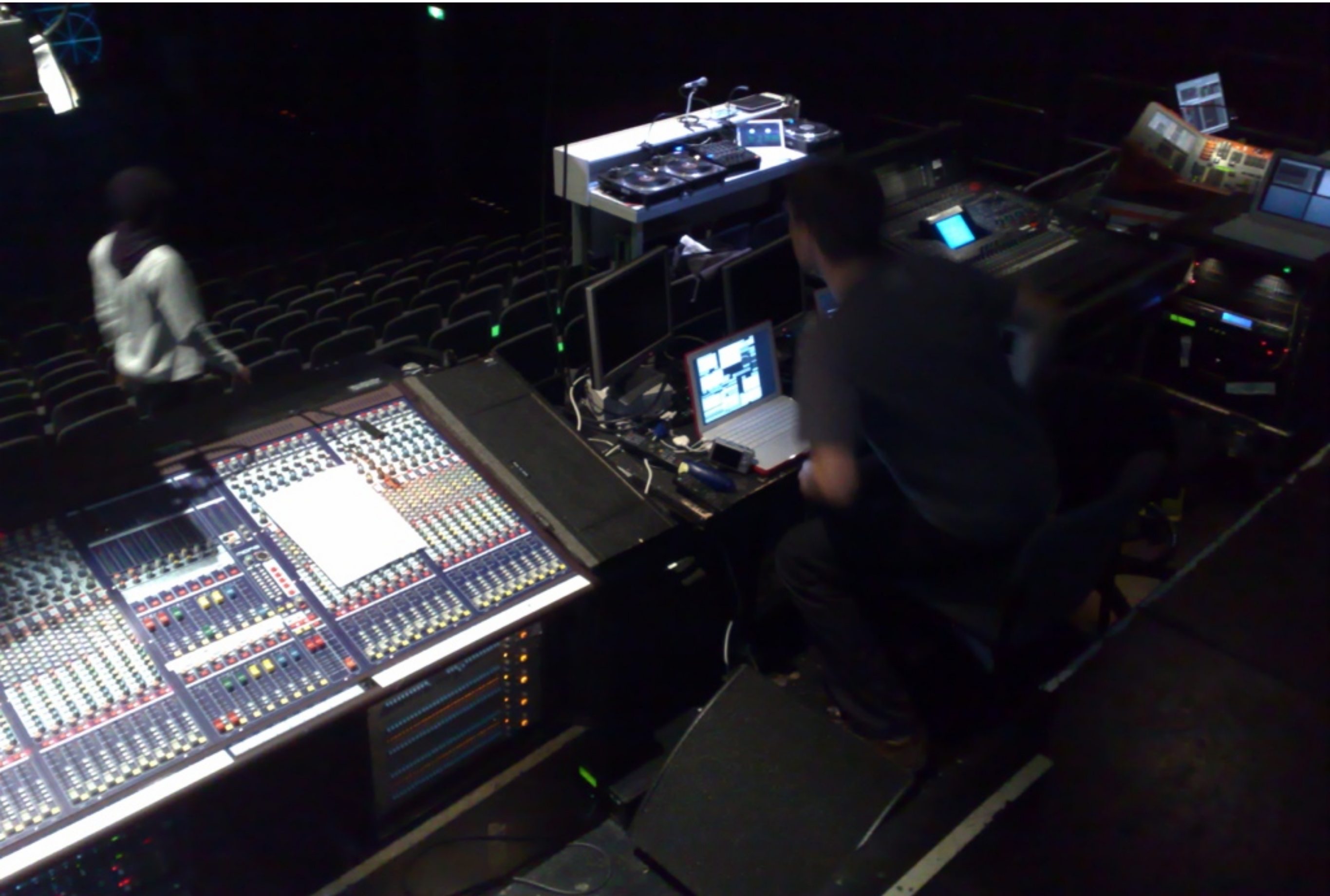
736
737 -- start_mozaiek_play_and_edit_mode
738 -- clear_mozaiek
739 -- stop_recording_mozaiek_tegel
740
741 on name_next_mozaiek_tegel
742 -- feedback "name_next_mozaiek_tegel"
743 --data=[1,2,3,4,5,6,7,8,9]
744 data=[1,4,7,2,5,8,3,6,9]
745 if current_name_mozaiek_tegel<9 then
746     current_name_mozaiek_tegel=current_name_mozaiek_tegel+1
747     -- fill mozaiek tegel met picture
748     nummer=data[current_name_mozaiek_tegel]
749     -- feedback "name nummer "&current_name_mozaiek_tegel&" - "&nummer
750     plaatje_b=member(("mozaiek_name_"&nummer.string),"ART1").image.duplicate()
751     r_b=plaatje_b.rect
752     -- feedback "aantal frames "&mozaiek_tegels_info[nummer][#memory_lengte]
753
754     repeat with h=1 to mozaiek_tegels_info[nummer][#memory_lengte]
755         plaatje_a=mozaiek_tegels_info[nummer][#video_memory][h].duplicate()
756         r_a=plaatje_a.rect
757         plaatje_a.copypixels(plaatje_b.duplicate(),r_a,r_a,[#bgColor:paletteIndex (255),#ink:36])
758         mozaiek_tegels_info[nummer][#video_memory][h]=plaatje_a.duplicate()
759     end repeat
760     --feedback "r_a "&r_a
761     -- feedback "r_b "&r_b
762     if current_name_mozaiek_tegel=9 then
763         EZ10_set_knop_2_down_script("picture_fill_next_mozaiek_tegel")
764         EZ10_set_knop_2_up_script("")
765         EZ10_set_knop_2_stilldown_script("")
766         current_name_mozaiek_tegel=0
767     end if
768 else
769     feedback "alle tegels zijn named !"
770 end if
771
772 end
773
774
775
776
777 -- start_mozaiek_memory_bank_player
778 -- update_mozaiek_memory_bank_player
779 -- exit_mozaiek_memory_bank_player
780
781 on update_mozaiek_memory_bank_player
782     if memory_bank_mozaiek_loaded=true then
783         case mozaiek_play_mode of
784             #play:
785                 update_mozaiek_reader
786             #edit:
787                 update_mozaiek_recorder
788         end case
789     end if
790 end
791
792
793
794 on preview_mozaiek_from_memory
795     -- feedback "preview_mozaiek_from_memory"

```


2008 - Goal



2008 - Goal





www.youtube.com/watch?v=ItktMgUmnoE

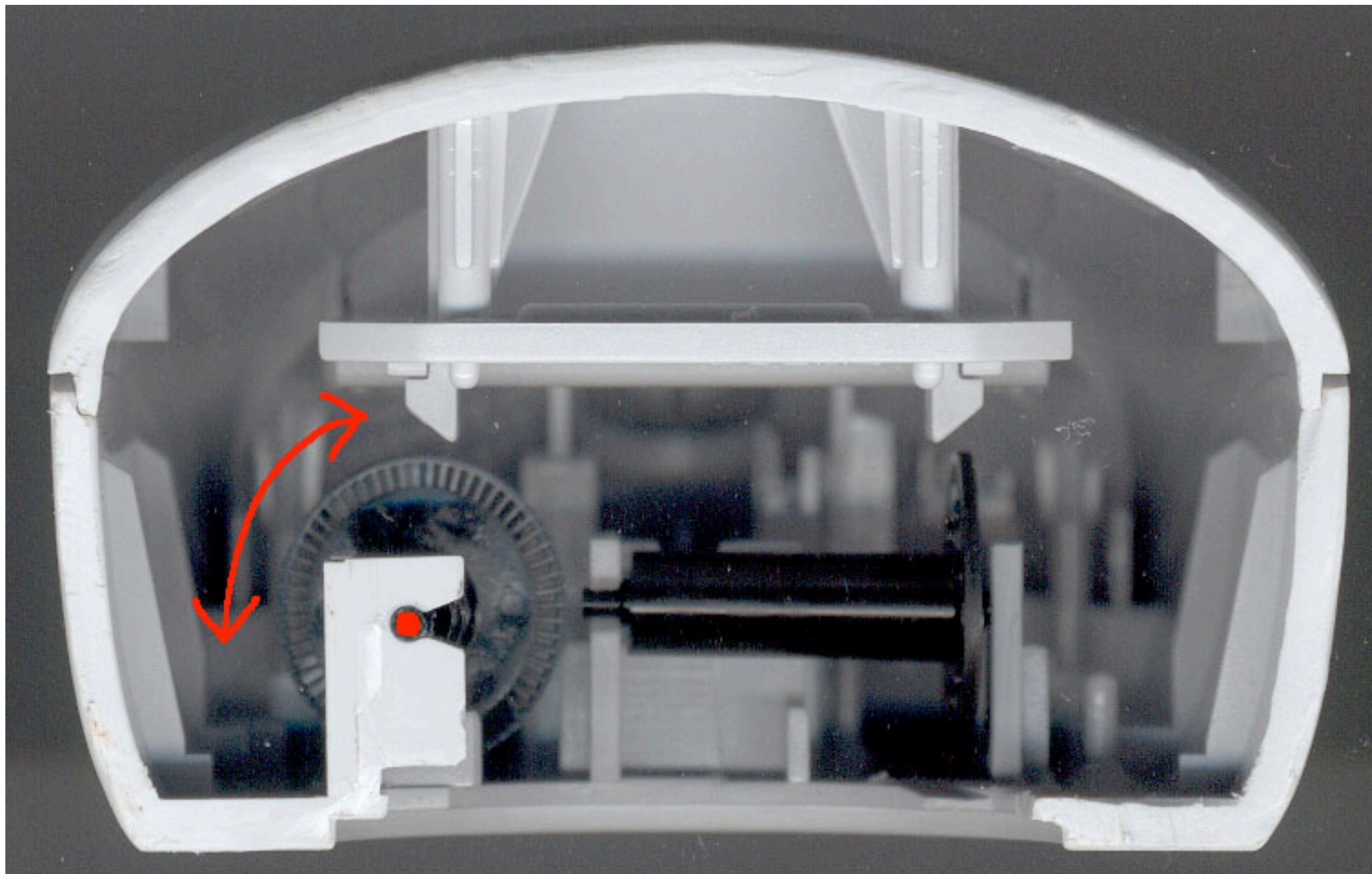
2003-2013 Digibrush



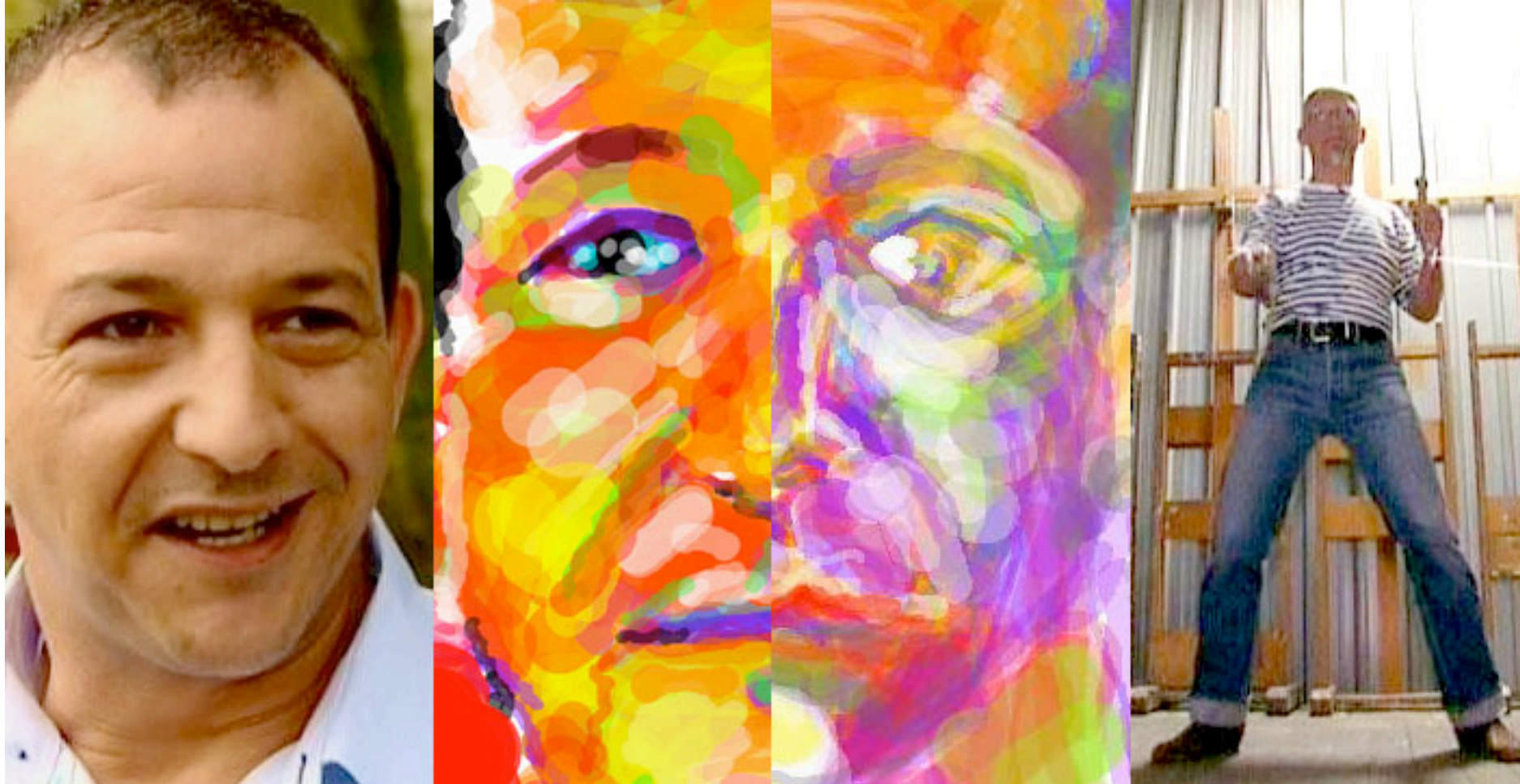
2003-2013 Digibrush



2003-2013 Digibrush



2003-2013 Digibrush



2003-2013 Digibrush



2003-2013 Digibrush



<http://www.youtube.com/watch?v=gZ-lztIS9p8>

2003-2013 Digibrush



2003-2013 Digibrush



<http://www.youtube.com/watch?v=f5X097JqFNs>

2003-2013 Digibrush



2003-2013 Digibrush



<http://www.youtube.com/watch?v=-SIZfllQu-Y>

2003-2013 Digibrush



<http://www.youtube.com/watch?v=azae5KzKFCc>

There is a whole list of tools and skills we gathered over the years.

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We are manic curious and hungry.

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