

# **Alpha Moonbase**

**Artistic Engeneering**

# About Me

- **Wieland Hilker aka Jonas Schmitt**
- **Currently student of Architecture @ UDK Berlin**
- **Completed education as Event Technician**
- **Video Technician @ Deutsche Oper Berlin**
- **Freelance Light and Videodesigner**

# **TouchDesigner Projects**

- **Lajka – ArtNET Controlled Mediaserver for Theatre**
- **Belka – Touchscreen optimized interface for LiveVJing**
- **Posh – Voting and Mediaplaybacksystem for „Reset:Earth“ @ Theater Erlangen**
- **„Dive In“ – Interactive Kinectinstallation @ Stadt für eine Nacht Festival**

# Lajka

- **Born from the necessity of a cheap Mediaserver**
- **Non Profit Theatre**
- **Integrated into lighting Workflow -> ArtNET**
- **Later installed @Staatstheater Braunschweig Haus 3**
  - **Need for easy to use interface**

FPS: 39

Rendertime: 26.24039

Framedrop: 1

VRAM: 517.6136

RAM: 890.3047

Single\_Control

OverviewLayer

OverviewFX

OverviewSubmix

OverviewOutput

Inputs

Screens

Files

Patcher

Nothing

FX

Layer

Mix

Output

ARTNet

Resolution

Address 1

Universe 1

VideoLayer1

X: 1024 Y: 768

ColorCorrection1

X: 1024 Y: 768

VideoOutput0

X: 1024 Y: 768

Grid

FPS: 38

Rendertime: 25.15038

Framedrop: 1

VRAM: 546.9216

RAM: 960.7148

Single\_Control

OverviewLayer

OverviewFX

OverviewSubmix

OverviewOutput

Inputs

Screens

Files

Patcher

Nothing

Layer

VideoLayer1

DMX

VideoOutput0

UI

FX

ColorCorrection1

Submix

Grid

Output

VideoOutput0

Intensity

Index

X: 0024

Y: 0768

.00

2.00



FPS: 61

Rendertime: 12.98417

Framedrop: 0

VRAM: 601.2016

RAM: 1058.605

Single\_Control

OverviewLayer

OverviewFX

OverviewSubmix

OverviewOutput

Inputs

Screens

Files

Patcher

Nothing

Layer

VideoLayer1

DMX

VideoLayer1

UI

FX

ColorCorrection1

Submix

Grid

Lajka2\_5Gridwarp

Output

VideoOutput0

Intensity



1.00

Blue



1.00

Loop



1.00

ZRotate



.00

XPosition



.00

InPoint



.00

TransformSource



4.00

Red



1.00

Play



1.00

TriggerScrub



.00

XScale



1.00

YPosition



.00

Outpoint



.00

Green



1.00

PlaybackSpeed



1.00

Triggerpoint



.00

YScale



1.00

FileIndex



7.00

LoopCrossfade



.00

X: 1024 Y: 768

007\_X1024Y768.bmp

# UDysse







# Foreign Bodies

- **International Danceproject**
  - **Integration of live generated content using a Kinect**













# Stadt ohne Ufer

- 3 Projectors
- Livevideo via Handheld camera







Smätschow



HADE

HADE

HADE

HADE

HADE

HADE

# Golem

- **3 Projectors**
- **Edgeblending**
- **Mapping on small objects**
- **Controlling video and light from the same source**



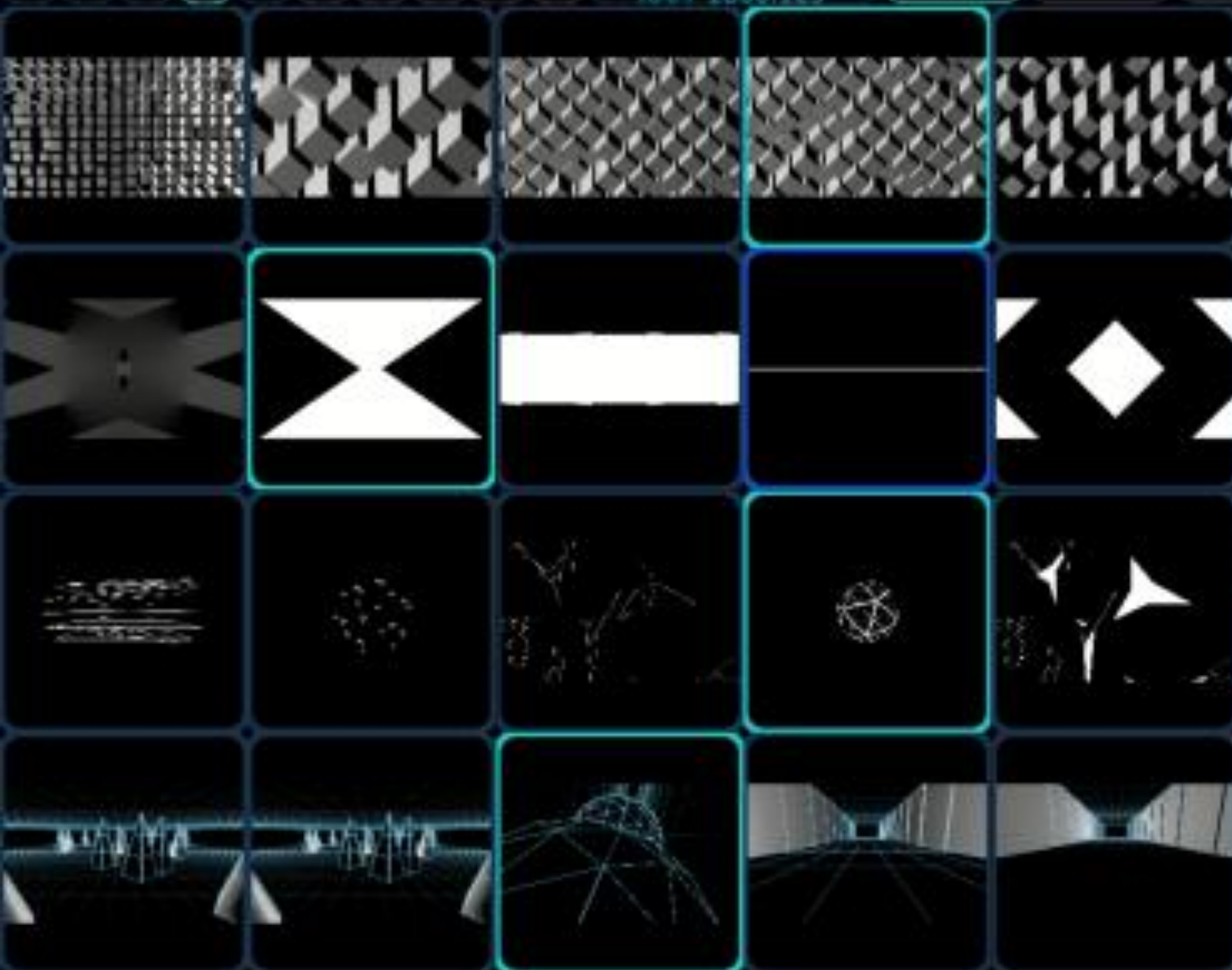




# Belka

- **I already paid for TouchDesigner**
- **Why pay for Resolume**
- **Never used resolume**
- **Works like I think resolume works**
- **I don't want to carry around a controller, so made for touchscreen**

1/4 1/8 1 2 + 1/4 1/2 1 2 + FPS 60  
VRAM 1426.944  
RAM 1800.125 Clips FX 60.75 fps



O  
N  
T  
R  
O  
  
O  
N  
T  
R  
O  
  
O  
N  
T  
R  
O  
  
O  
N  
T  
R  
O

Load

Settings

Multiply

Divide

Add

Subtract

Blend

Close

Left Camera

Right Camera

Subtractor

Undo



Autoplay

1/8

1/4

1

2

4

amplitude .73

speed .05

roughness .48

extend 3.00



FPS 61  
VRAM 1586.768  
RAM 1975.926

L/R

L/R

1

2

3

L/R

L/R

1

2

3

Clips

FX

SELECT

60.75 FPS

Load

Settings

Multiply

Divide

Add

Subtract

Under

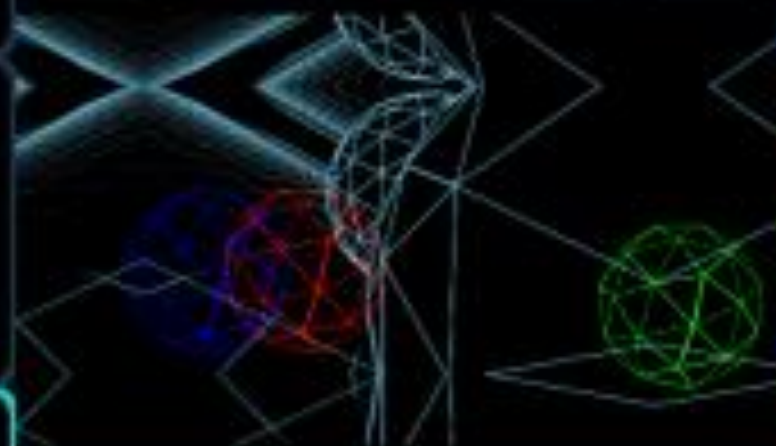
Over

Left Camera

Right Camera

Subtract

Under



Autoplay

1/8

1/4

1/2

3/4

1

amplitude .39

speed .05

roughness .48

extend 3.00







3.11.2018 Gretchen Box 2

Drei Groschen Disko @ Recycle

# PoSh – Poll Share

- **Voting and Mediaplaybacksystem for the theatreproduction „Reset:Earth“ at Erlangen in coop with „Komplexbrigade“**
- **Browserbased Votingsystem for Smartphones via NodeJS**
- **Playback of Videofiles and Audioclips**
- **Control of a Masterscore**

das|**theater**|erlangen

POSH SELECT		Filme		Polls		Punktestand					
Output		Filme		Polls		Punktestand		Logo			
Pollselection		Abstimmung Läuft ! Verbleibende Zeit: -2s  <b>Wuerden sie gerne mehr Erfahren</b>  <div><div></div><div></div></div> <div>Auf jeden Fall</div> <div>Ja</div>									
Poll1.txt											
Poll123.txt											
Frage		Wuerden sie gerne mehr Erfahren									
Antwort1		Ja									
Antwort2		Auf jeden Fall									
Einmalig		<div></div>	<div></div>	Zeit		<div></div>	Zeit 10.0				
Polltyp		Bars		Circles		Sitzreihen		Torte		Partiekl	
Starte Poll						Stoppe Poll					

POSH SELECT

Filme

Polls

Punktestand

Output

Filme

Polls

Punktestand

Logo

#1.mov



#2.mov



#3.mov



#4.mov



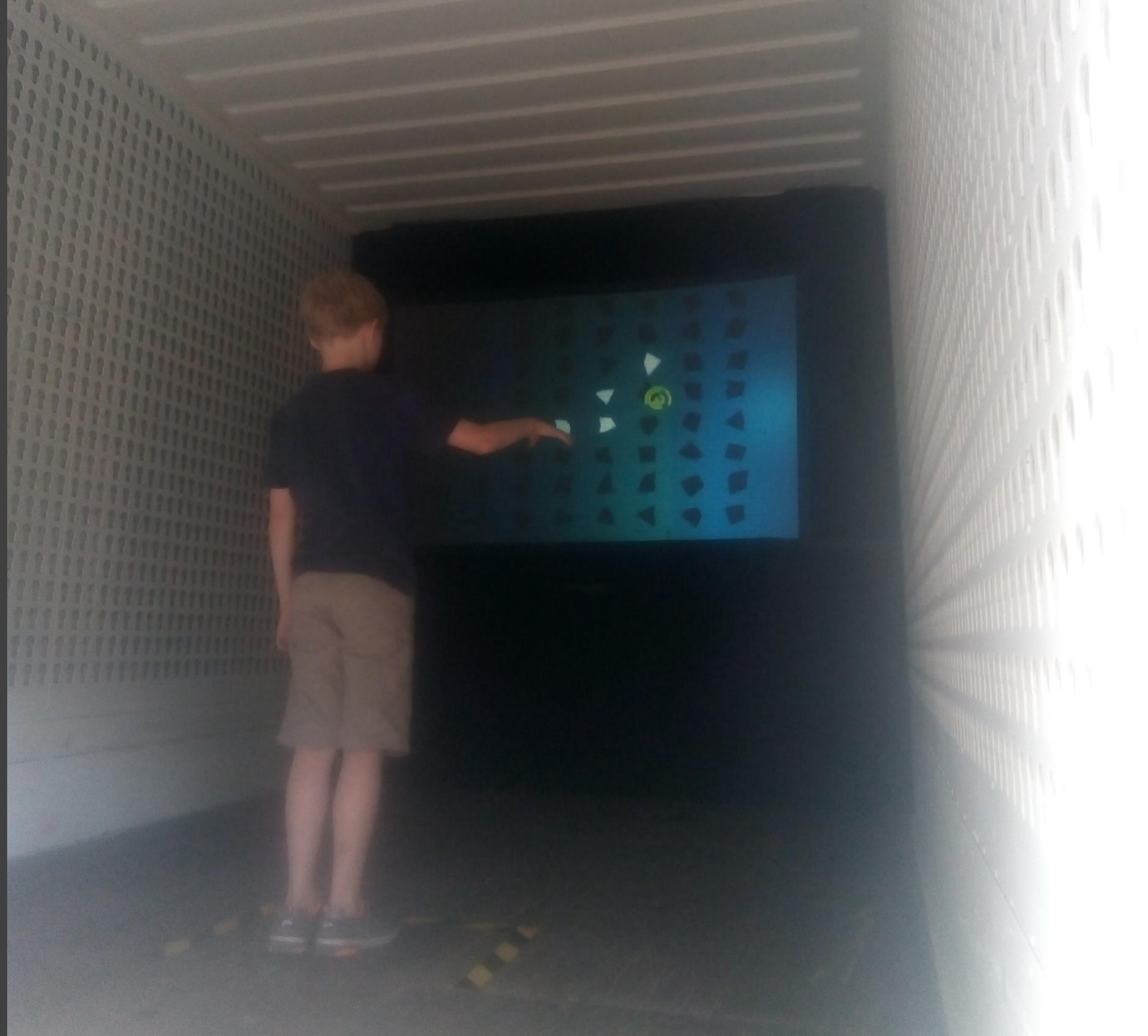
FoengnBodiesJamSession.mp4





# „Dive In“ – Working Title Mutrix

- **Interactive Installation**  
for „Stadt für eine  
Nacht“-Festival
- **Controlled via Kinect**
- **4 Channel Stepsequenzer**
- **It was a disaster**









GAME OVER

9	0	8
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