

Projection Mapping Flyby

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What is projection mapping?



Refik Anadol, 2014, *Ethereal / Architecture as a Canvas Light as a Material*

displaying visual content on non traditional surfaces
augmented reality

some cool projects

The cloud machine

Peder Bjurman and composer Leif Jordansson, 2016

box

Bot & Dolly, 2013

unnumbered sparks

Janet Echelman and Aaron Koblin, 2014

May the force be with you

Teo Park, 2014

Mapping is the easiest part.
It's all about content and concept.

ITP classes

Nothing

Magic window and mixed reality

Gabe's summer AR class

ITP summer camp sessions

Tools selection

MadMapper artists

Resolume & Arena 5 VJ

isadora theater

Millumin 2 theater

TouchDesigner studio/agency

Tape
Laser stencil

middlewares

Syphon

An open source Mac OS X technology that allows applications to share frames
A server streams video content to clients
It doesn't work very well in latest chrome and unity3D

OSC

protocol of communication for sending data through apps
mobile devices apps: touchosc, gyrosc

Hardware

Projector central: projector calculator, with everything about projectors
Dualhead2GO/Triplehead2GO: external multi-display adapter adds up to three projectors

creative coding sketch mapping

super glue combo

Processing + madMapper

JS graphics libs combo

P5.js/THREE.js + Syphoner + madMapper

JavaScript + maptastic.js

Trick: Open Chrome without browser bars

`/Applications/Google\ Chrome.app/Contents/MacOS/Google\ Chrome --app="http://www.google.com"`

demos

basic video mapping in MadMapper

projection mapping p5 sketch via syphon & maptastic.js

If we have enough time,

projection mapping Processing sketch

Intro to modul8

How to interact with projection mapping sketch using mobile phones

How to do 360 video streaming projection mapping

A few more things

Pcom Light

madMapper + DMX + Light

VJ / Motion Graphic Designer

Modul8 + (Vezer) + madMapper

transform VR to AR

Unity3D / Unreal + madMapper

Thank you!
& TNO!