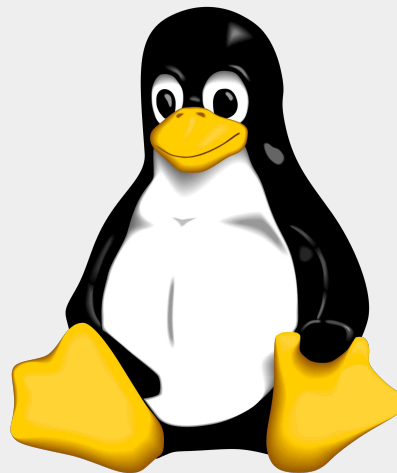


The Outstanding Advantages of Being a Linux-Based Artist

By Thomas Hancock

Who am I?



How I discovered Gnu+Linux

- Little tux icons popping up on software download sites
- Lack of understanding on how to “share” software and seeing the big FREE label plastered around distributions.
- Known at the time (2011/2012) as a way to “speed up your old computer”.

Volume Control

Playback Recording Output Device

Startpage Search Results x How to start Virtual Cam... x (342) All mail | Thomast... x

https://obsproject.com/forum/threads/how-to-start-virtual-camera-without-sudo-privileges.139783/

Misc Threads GBA Everyone... 4chan Related... PasteText | Tex... Angelfire Print On Dema... Printers

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Tuna Member

Feb 23, 2021

Hi Tuna,

Was bale to fix it.
I start the loopback with `sudo modprobe v4l2loopback video_nr=2 card_label="OBS Virtual Camera" (without exclusive_caps=1 parameter)` before starting OBS Studio and it works.

Will now configure `v4l2loopback` to start on boot.

Thank you...

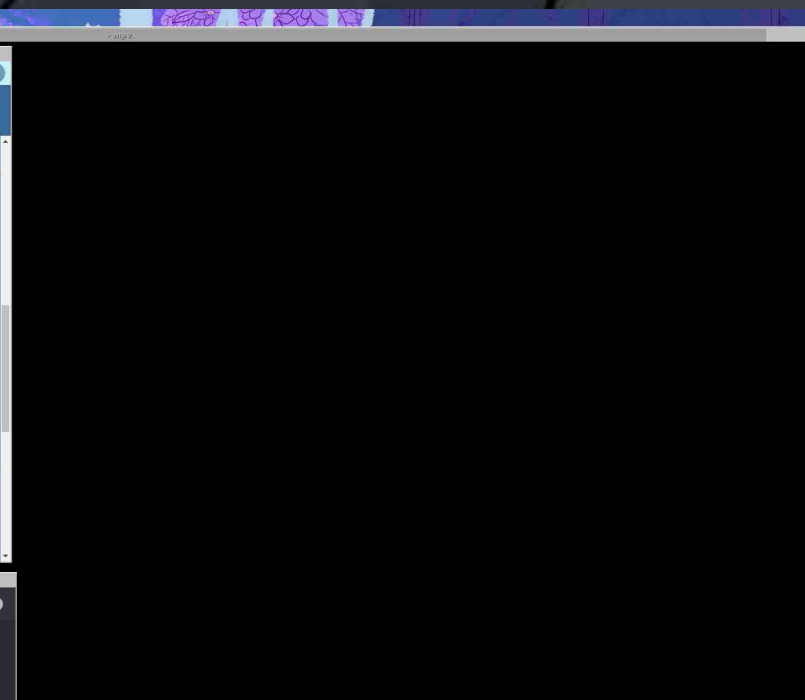
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Discord | #no-talk-only-type | pretty princess simulator part

#no-talk-only-type type here if you cant talk

Message #no-talk-only-type



```
noom@noomix:~$ cat /etc/os-release
PRETTY_NAME="Artix Linux x86_64"
NAME="Artix Linux x86_64"
VERSION="3.10.1-lts"
ID="artix"
VERSION_ID="3.10.1-lts"
BUILD_ID="1"
HOME_URL="https://artixlinux.org/"
DOCUMENTATION_URL="https://wiki.artixlinux.org/"
BUG_REPORT_URL="https://github.com/artixlinux/artixlinux/issues"
SHELL=/bin/bash
RESOLUTION=2560x1600
WM=IceWM
THEME=Adwaita
ICONS=Adwaita
TERMINAL=st
TERMINAL_FONT=Liberation Mono
CPU=Intel i7-9800H (8) @ 3.800GHz
GPU=AMD ATI Radeon RX 5600M
MEMORY=2154MiB / 15968MiB
```

[noom@noomix ~]\$



ACTUAL PC



E-GPU
(RX-580)

How did Linux play a role in my designs?

- Optimized my workflow for rendering and processing.
- Allowed me to lower cost of utilities used to produce/make art.
- Extended the life useful yet older components.



Reviewing what I learned

Objectives:

- Techniques
- Compatibility
- Programs
- Project examples
- How you can get started

Techniques

Choosing your workspace

- Operating system can make a difference, choose something where the least user choice is hindered.
- More options=More Tailored operating environment for digital design work
- WM>DE (Suggested)
- If new to linux, Choose lightweight de (e.g.lxqt, xfce, trinity)

Window Managers/Desktop Environment Recommendations

- Easy: Xfce, Unity(Maybe), LxQt
- Medium: IceWM, Trinity Desktop Environment (TDE), Window Maker
- More Difficult: Ion3, Waimea, JWM, FVWM

Recommended Operating Systems

- Easy: MX Linux, Debian, Linux Mint
- Medium: Void Linux, Devuan
- More Difficult: Artix Linux, Parabola/Hyperbola





Compatibility

Device support

- Printers
- Drawing tablets & Displays (plug and play devices)
- GPUs (Nvidia still has some issues)
- Architecture

Plug and play devices

- Some display converters don't immediately work on windows, or may not even work at all. Linux usually will detect these devices immediately.
- Drawing tablets are built into kernel (unless your kernel is custom)

Printers

- CUPS
- Printing support not always installed by default
- Will automatically recognize printer once brand-related driver is installed (hplip, cnijfilter2)
- Support for Legacy Devices



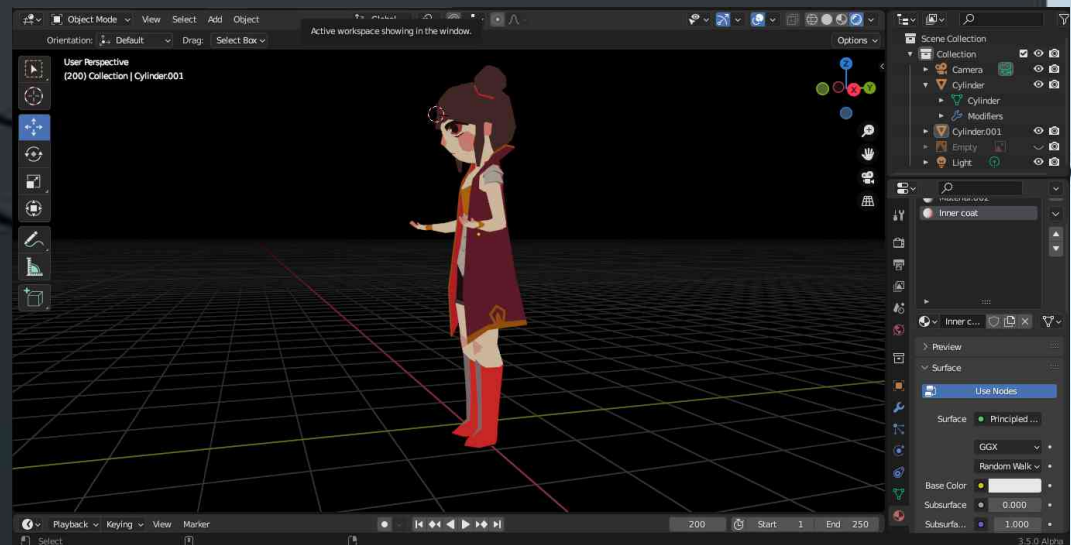
Legacy Device Support

- Video drivers from even 20 years ago still are supported.
- If application is not installable on hardware, it can be easily set up from source code.
- Devices even as old as i586 are supported.
- You can also use the most up-to-date hardware as well.

Programs

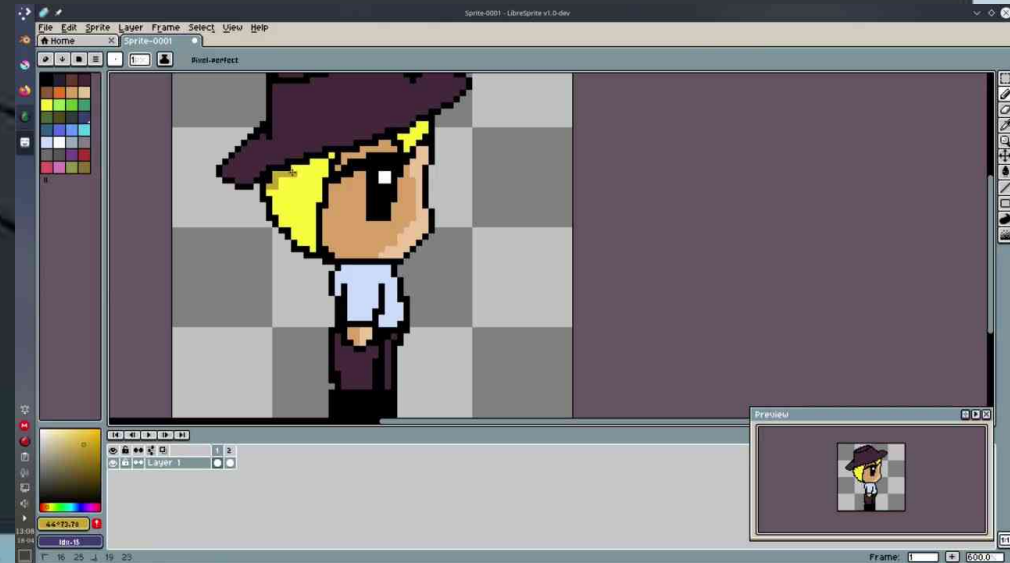
Blender

- One of the most popular 3d modeling programs today.
- Modular plug-ins
- Open source rendering options (Radeon Prorender, cycles, etc.)
- Can compile to your specific system (even 32 bit hardware IN SOME CASES)



LibreSprite

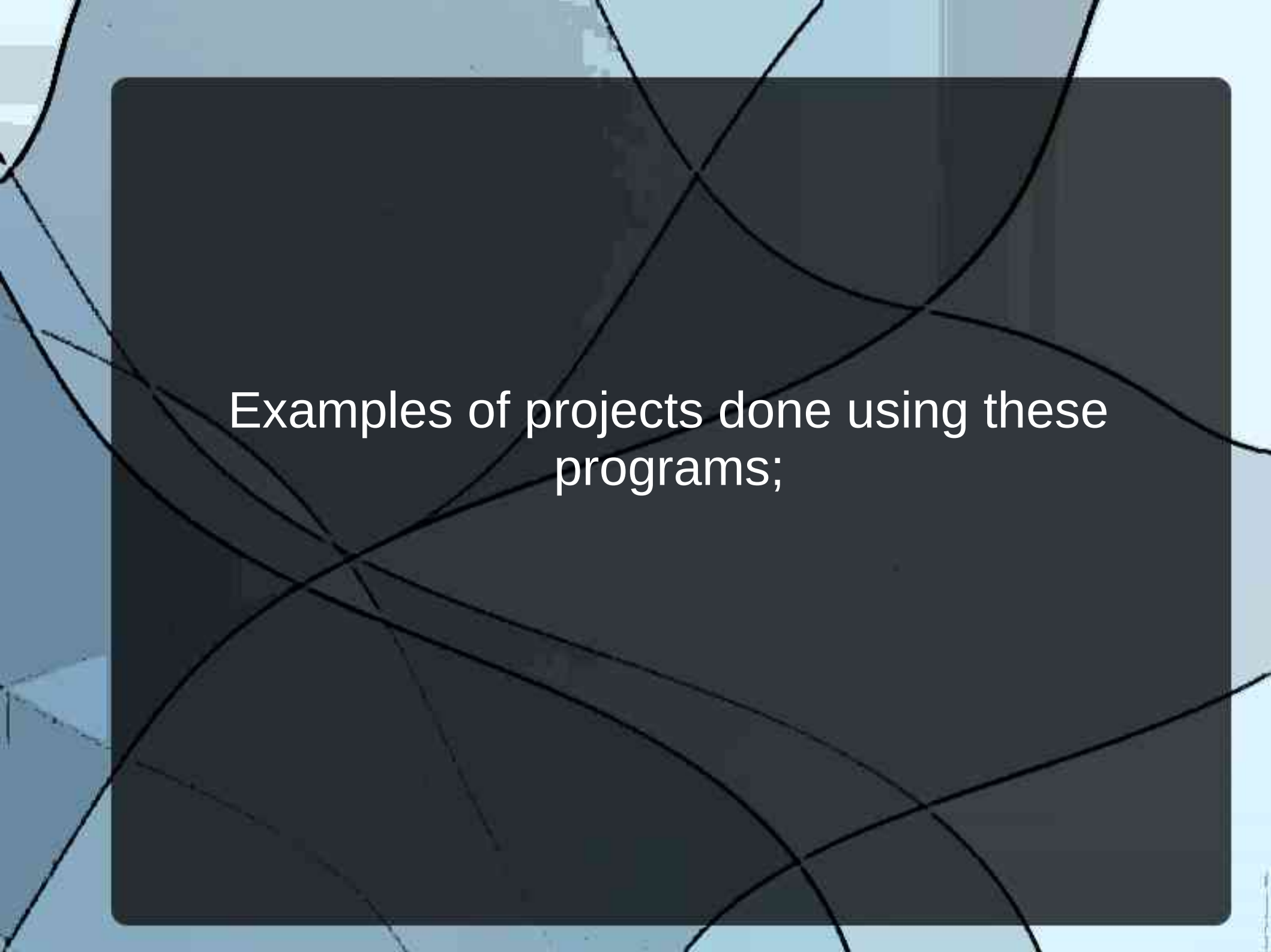
- Pixel art program with animation support.
- Fork of Aesprite before they went closed source
- Tries to implement the newer features while keeping open source.



Color Calibration

- XICCD & colord
 - Allows you to set the specific color profile (.icc)
 - Starts up directly with xorg
 - Can have different color profiles for each monitor.

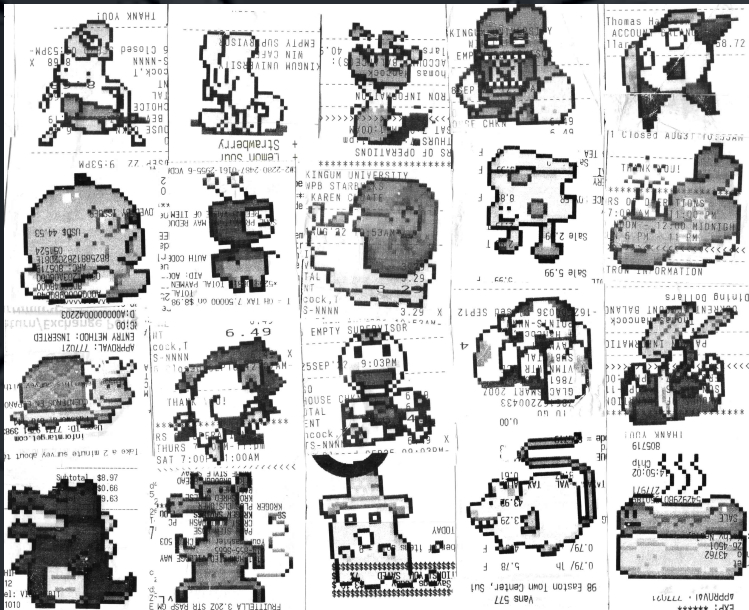
Lets do some demos for these next ones



Examples of projects done using these
programs;

Pixel Bros

- Medium: Tee Shirt
- Program(s): CSprite, Illustrator



Water Enchantress of the Temple- Tribute to Kazuki Takahashi

- Medium: Scanned from physical drawing, final result, Digital
- Program: Krita

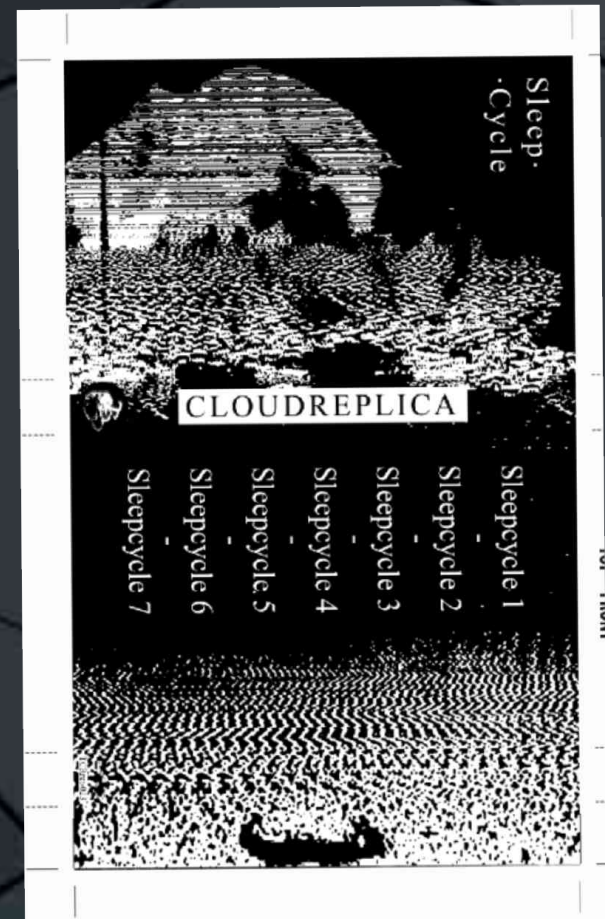
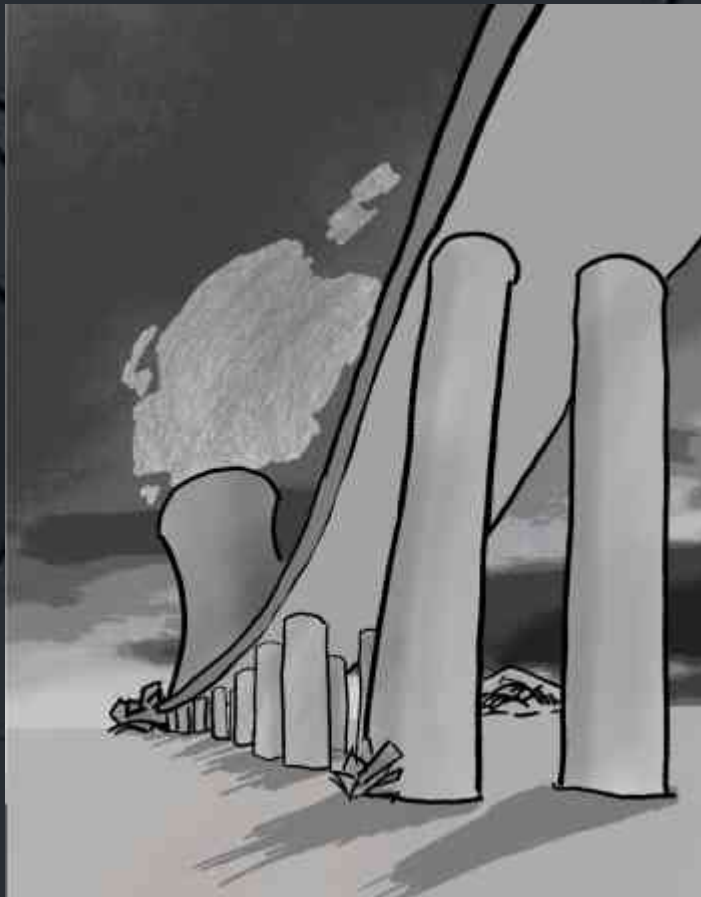




In Production

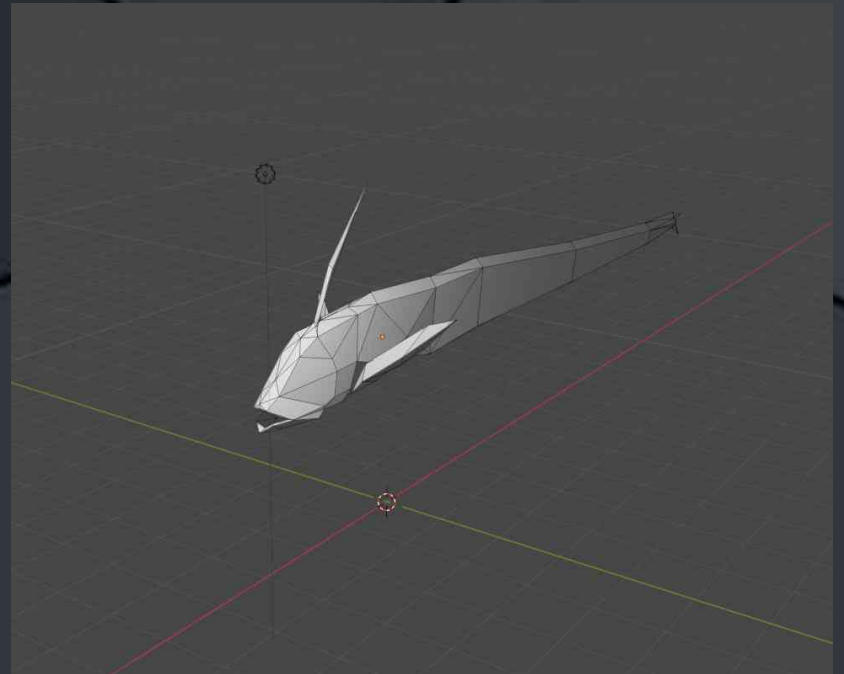
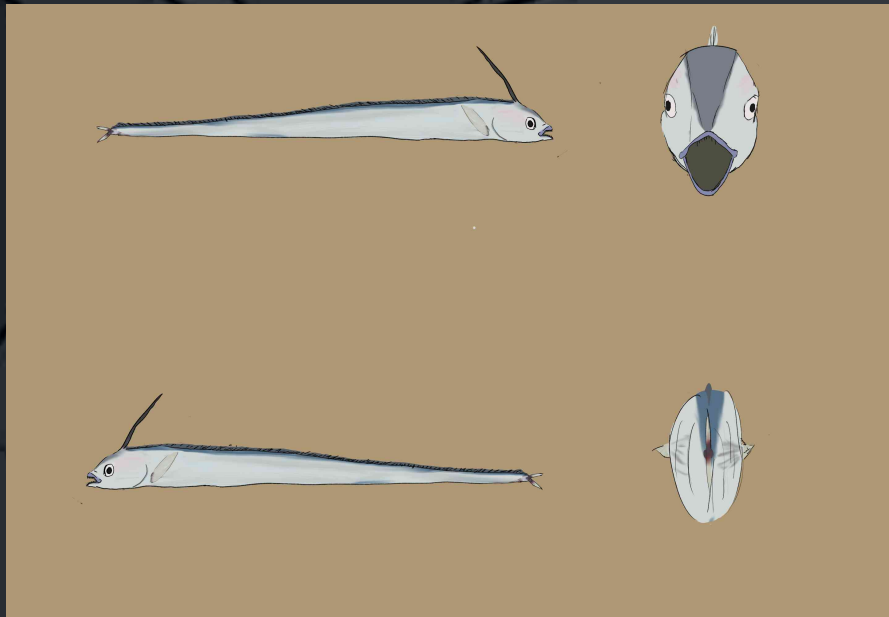
Upcoming Musical albums

- PingaPong64
- (May be out by the time I present)
CLOUDREPLICA



A Re-imagining of scientific illustrations

- Medium: Tee-shirts
- Program(s): Blender, Krita, Libresprite



How you can get started?

- 1) Find a slower computer you use less.
- 2) Reinstall your OS (Windows/Mac OSX) but partition drive so only half is used for that system
- 3) Install Linux to the other half. Start with an easy system like Debian or Mint.
- 4) Switch between the systems until you feel more comfortable with using Linux.
- 5) Once you feel comfortable with that distribution try something harder.



Thank you!

- Where you can reach me:
- tomhancock.neocities.org/about



Any Questions?