$x^2 - 3$

Transformation matrix is composed of Rotation matrix and Translation matrix

\alpha

x^2

$$\begin{bmatrix} a & b & c \\ d & e & f \\ g & h & i \end{bmatrix}$$

$$\begin{bmatrix} a & b & c & x \\ d & e & f & \\ g & h & i & \end{bmatrix}_{4\times4}$$

yt-dlp -f 'bestvideo[ext=mp4]+bestaudio[ext=m4a]/bestvideo+bestaudio' '<link>'

720p:
yt-dlp -f 'bestvideo[height<=720]+bestaudio/best[height<=720]' https://www.youtube.com/playlist?list=PLp8ijpvp8iCvFDYdcXqqYU5Ibl_aOqwjr

Computer vision NUS playlist:
yt-dlp -f 'bestvideo[ext=mp4]+bestaudio[ext=m4a]/bestvideo+bestaudio 'https://www.youtube.com/playlist?list=PLxg0CGqViygP47ERvqHw_v7FVnUovJeaz'

$$\begin{bmatrix} a & b & c \\ d & e & f \\ g & h & i \end{bmatrix}$$

$$x = PX$$

$$x = 2D - image - point, X = 3D - world - point, and P = Projection - Matirx$$

.

3D point to 2D point on image is unique, but 2D to 3D is not unique (ray could pass through multiple 3D points in space)

Wacom button set:

xsetwacom set "Wacom One by Wacom S Pen stylus" Button 2 "key ctrl shift p"

xsetwacom set "Wacom One by Wacom S Pen stylus" Button 3 "key ctrl shift e"

for any issues:

Reinstall wacom:

sudo apt install --reinstall xserver-xorg-input-wacom

then restart the devcies:

sudo udevadm control --reload

sudo udevadm trigger

Jetson setup:

Jetcard Link:
https://github.com/NVIDIA-AI-IOT/jetcard?tab=readme-ov-file

login with terminal
* ssh jetson@192.168.55.1 {use passowrd: jetson}

Login with browser:
* http://192.168.55.1:8888