bad user interfaces can kill.   Therac25.

hierarchy of screen - window - viewport

(0,0)

PIXELS

LAPTOP
SCREEN

OPENGL
WINDOW

(0,0)

OPENGL
ARBITRARY COORDINATES
COUNTY
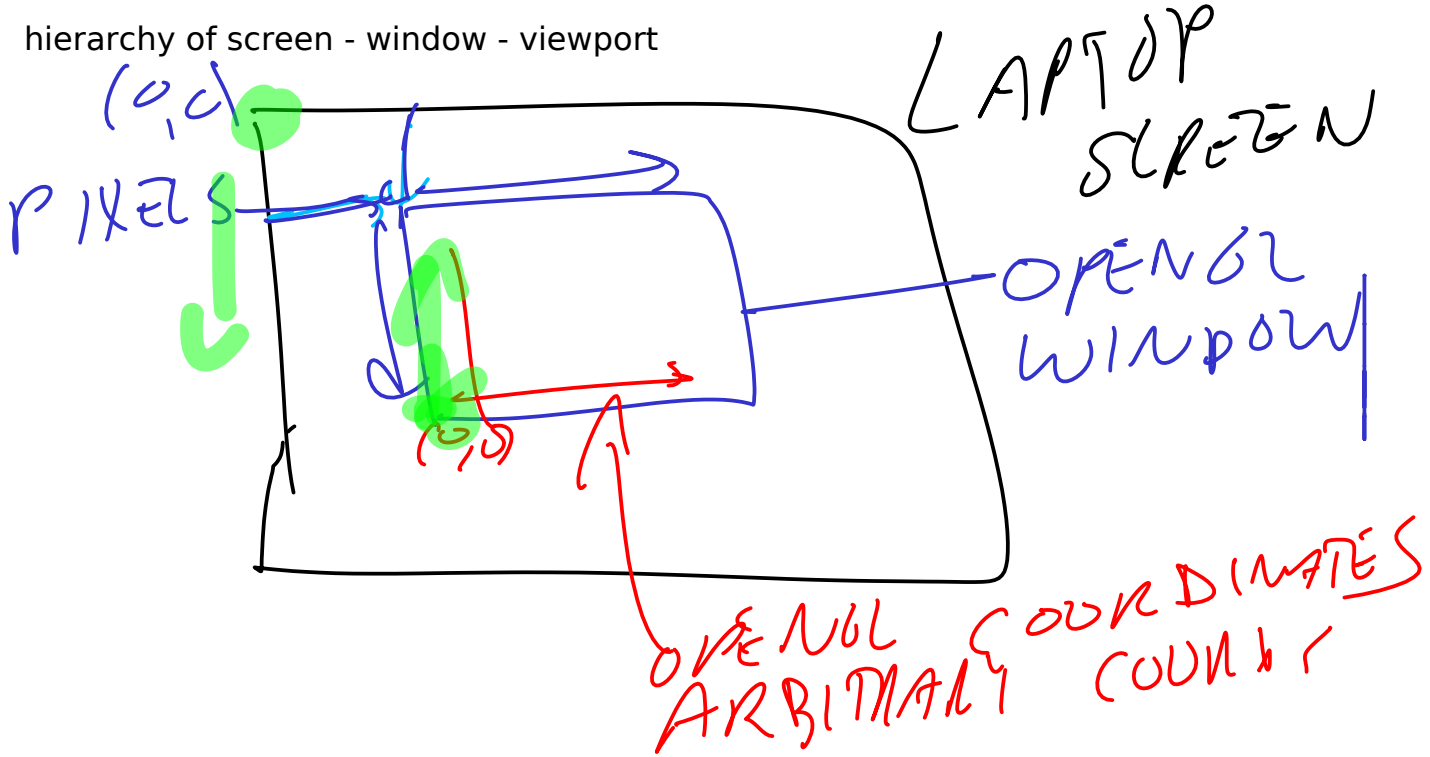
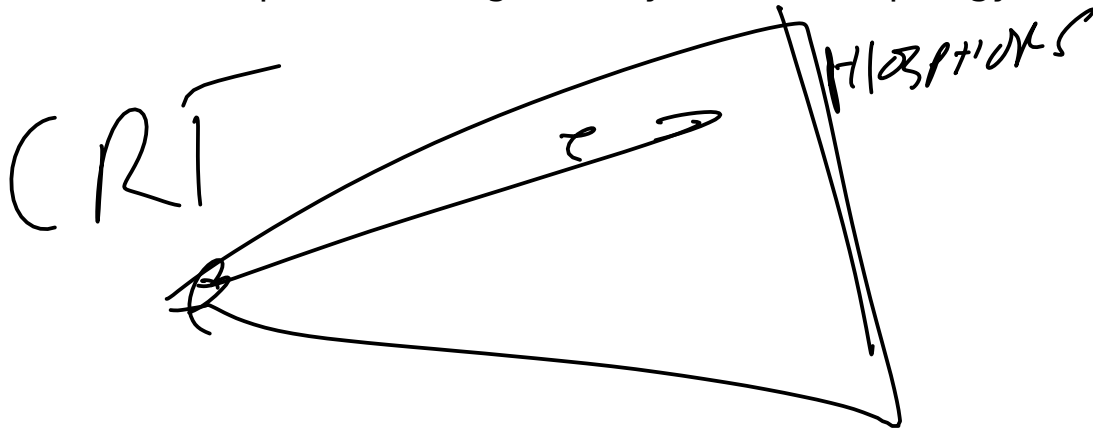OpenGL levels of abstraction.    gl - glu - glut

Triangle strip
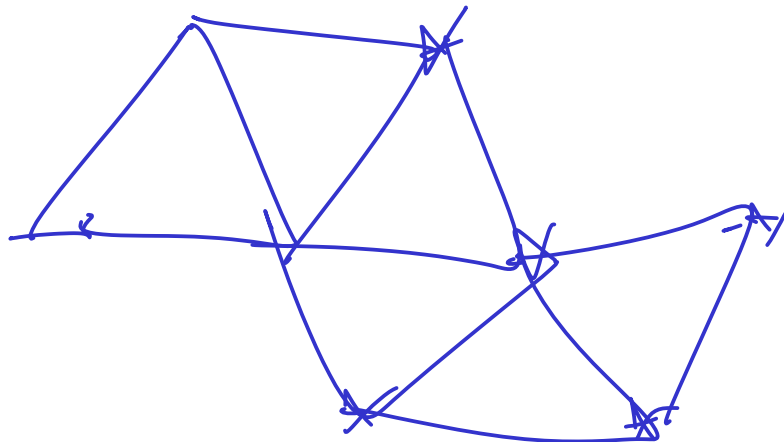
squareAnnulus1  +/

+ easy to read, modify
- lots to type
- too many function calls, slow to compile, execute, cause big executables

squareAnnulus4 separates the geometry from the topology

CRT
HashTIONS

# LCD / CORKSCREW MOLECULE 3

LOUIS PASTEUR.

MIRROR   + LC   :   POLARIZING FILTER

LIGHT

LIGH

POL FILT.