

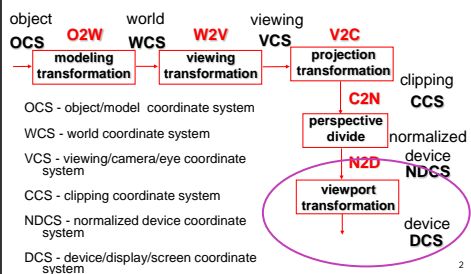


Tamara Munzner

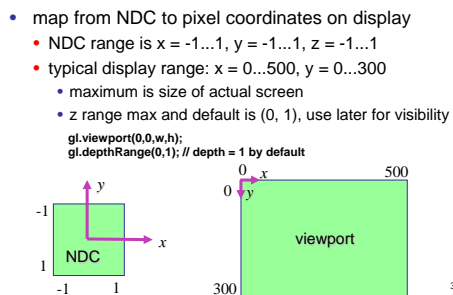
Viewing 4

<http://www.ugrad.cs.ubc.ca/~cs314/V/jan2016>

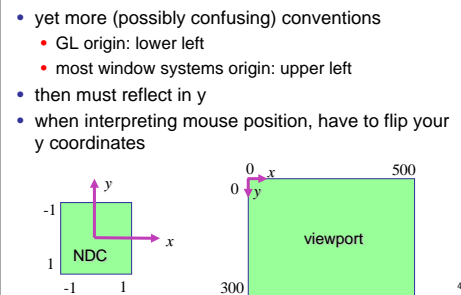
Projective Rendering Pipeline



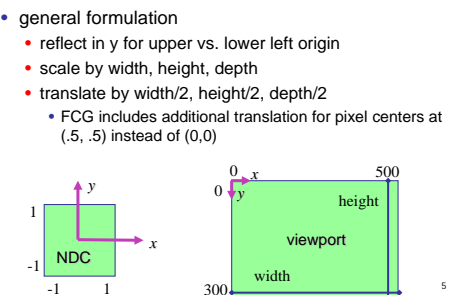
NDC to Device Transformation



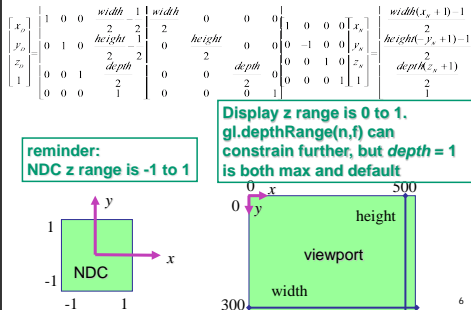
Origin Location



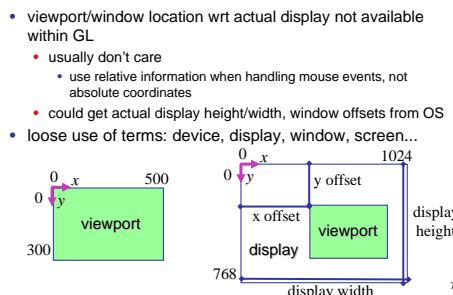
N2D Transformation



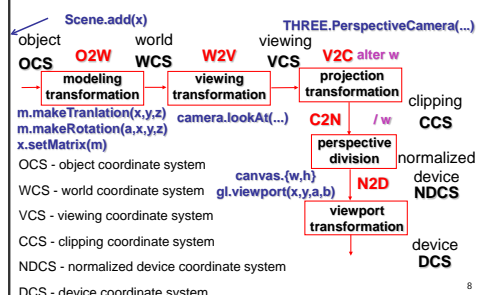
N2D Transformation



Device vs. Screen Coordinates

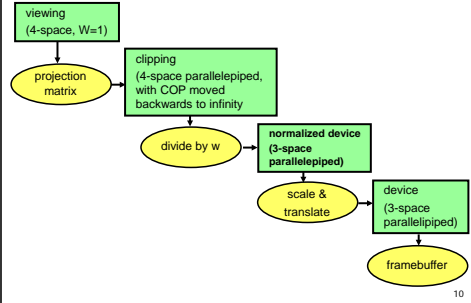


Projective Rendering Pipeline

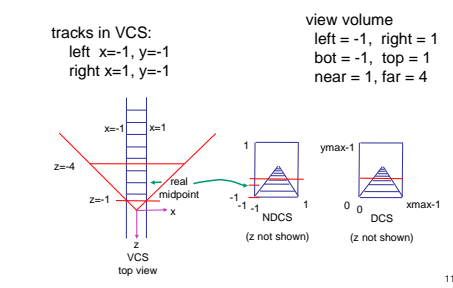


Questions?

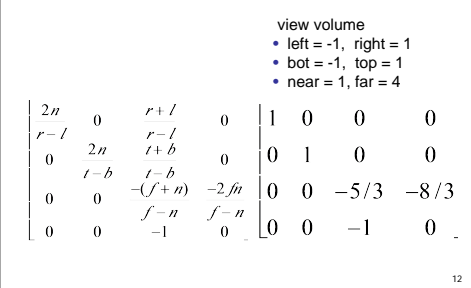
Coordinate Systems



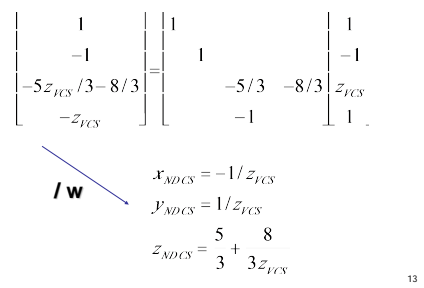
Perspective Example



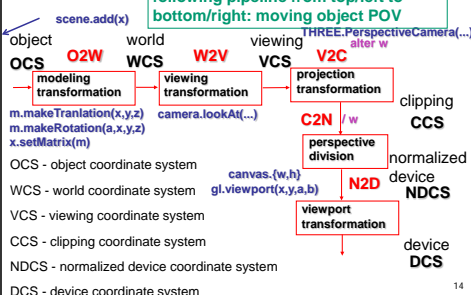
Perspective Example



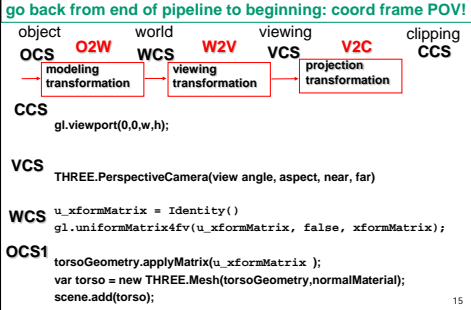
Perspective Example



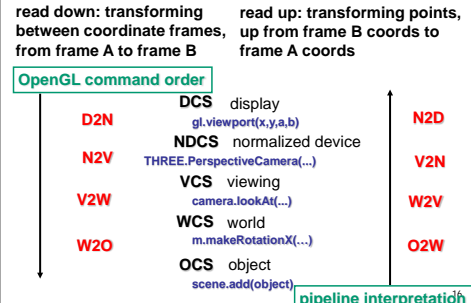
Projective Rendering Pipeline



OpenGL Example



Coord Sys: Frame vs Point



Questions?