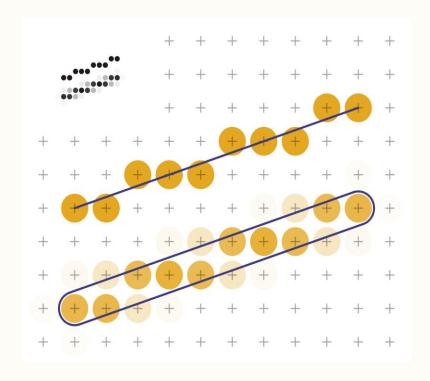


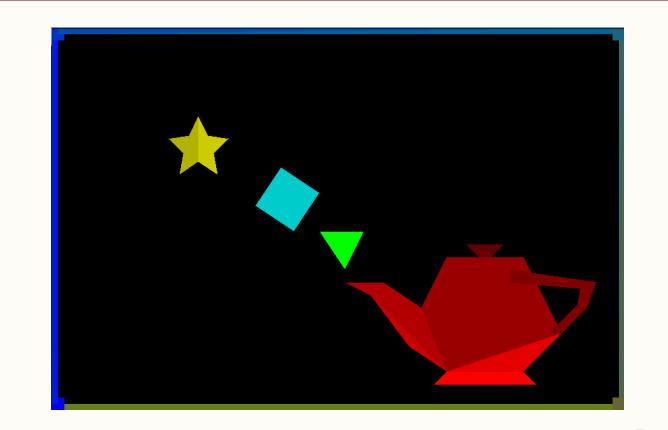
Scan-line conversion algorithms

- Line Drawing Algorithms
 - DDA
 - Midpoint
 - Midpoint with eight way symmetry
- Circle Drawing Algorithm
 - Midpoint
- Polygon Filling Algorithm





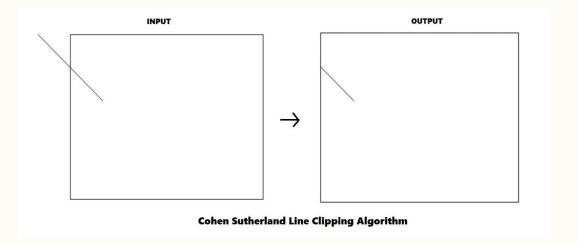
Scan-line polygon filling algorithm





Clipping algorithms

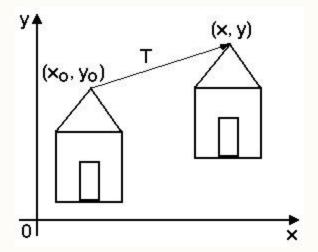
- Line clipping algorithms
 - Cohen-Sutherland
 - Cyrus-Beck
- Polygon clipping algorithm
 - Sutherland-Hodgman





Transformation

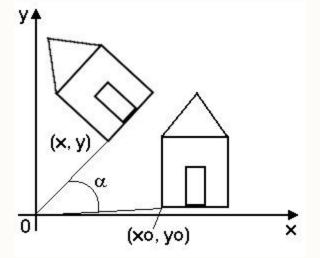
Translation





Transformation

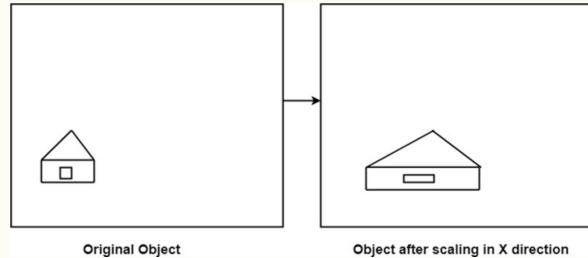
Rotation





Transformation

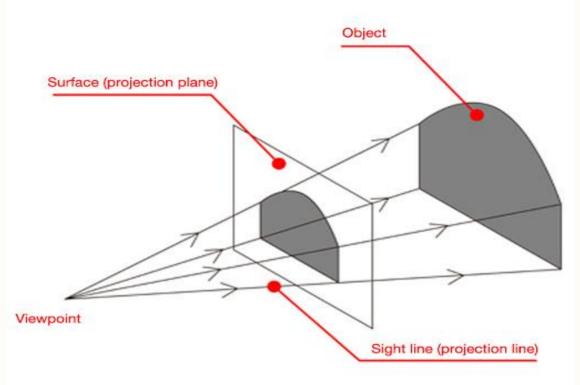
Scaling





Projection

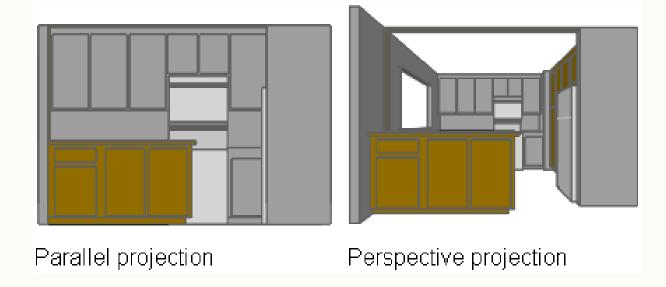
Perspective projection





Projection

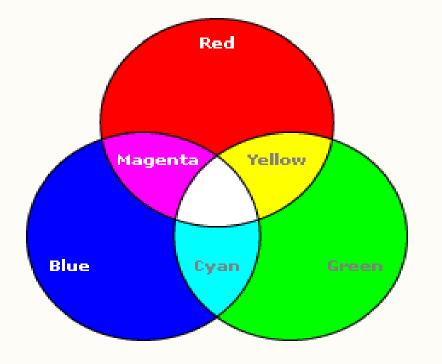
Parallel projection





Color models

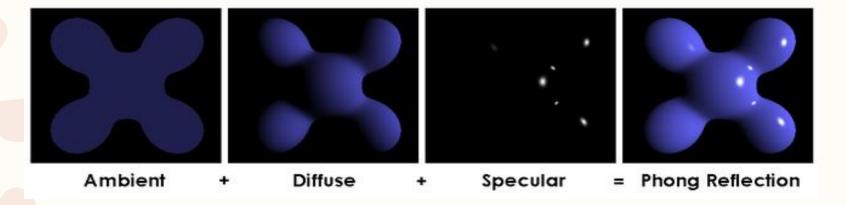
- RGB
- HSV
- HSL





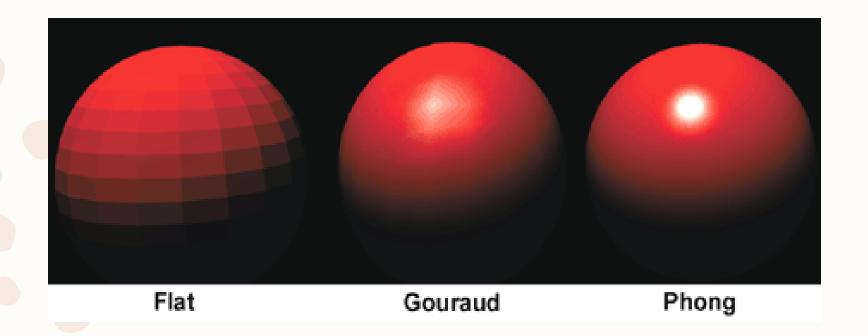
Illumination models

- Global illumination
- Diffuse reflection





Shading





Curves & Splines

