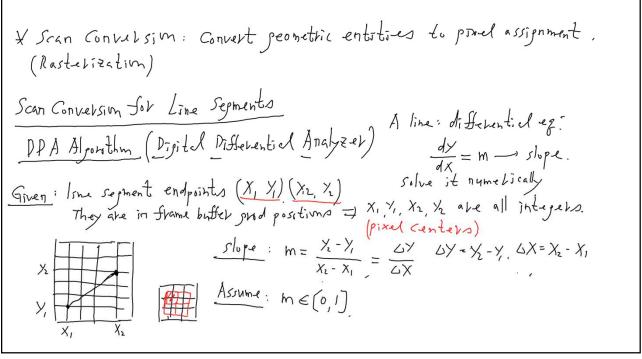
CS6533/CS4533 Lecture 2 Slides/Notes

Scan Conversion for 2D Line Segments; HW1
Discussion; Introduction to OpenGL
(Notes, Ch 1)

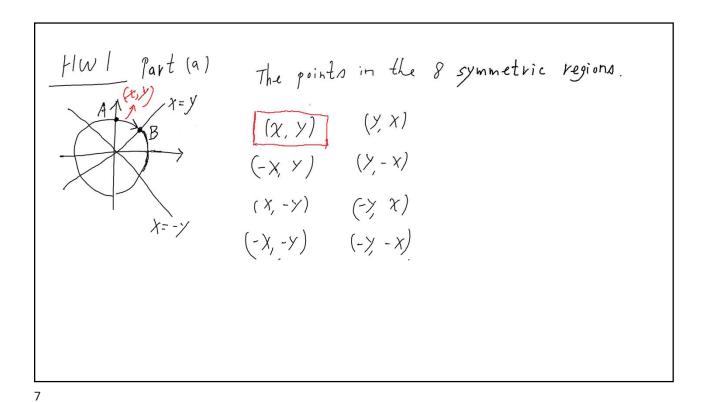
By Prof. Yi-Jen Chiang
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Bresenham's Alp. Good: Avoid all floating-pt computations

Assume: slope $M \in (0,1]$ | Inchease X by | in each chose the best Y | in each chose the chose $X = X_2 - X_1 \ge 0$. Integers $X = X_1 - X_1 \ge 0$ | Integers $X = X_1 - X_1 \ge 0$ | Integers $X = X_1 - X_1 = X_1$



Introduction to OpenGL # Library organization (-sor X window system)

[GL: Open GL Library

[GL: Open GL Library

[Indept. of window system)

Application

[Indept. of window system) Application GLUT: 519 hico utitality toolkit Buffer Xlib, >|GLUT 12092 am G[EW] (X window, MS windows es. of Vertex 3f (12,362,4) gl Vertex 3-5 v. (ptr) Command Syntax: # components 2.(X, y) 4:(X, Y, Z, W) A 0000 J. float .. 3:(X, Y, Z) 8

