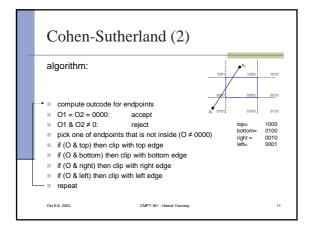
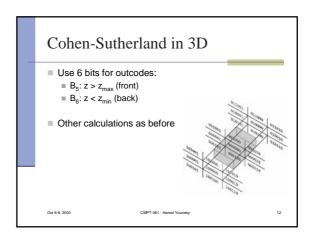
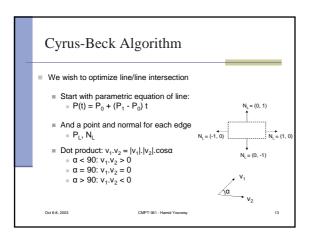
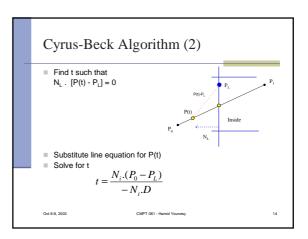


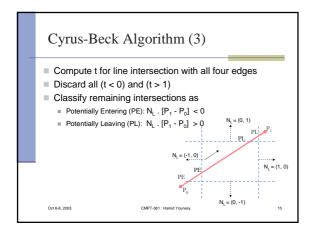
Cohe	en-Suth	nerland			
 we can divide space into 9 regions 4-bit outcode determined by comparisons 					
1001	1000	1010	B1 B2 B3 B4 top bottom right left		
У _{тах} 0001	0000	0010	$B_1: y > y_{max}$ $B_2: y < y_{min}$		
Y _{min} 0101	0100	0110	B_3 : x > x_{max} B_4 : x < x_{min}		
X _n Oct 6-8, 2003	in X _n	CMPT-361 : H	amid Younesy	10	

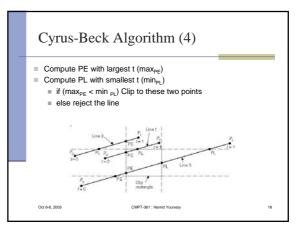


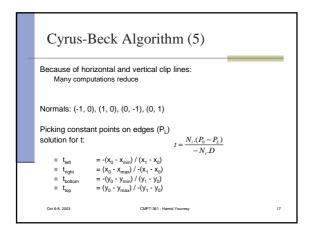


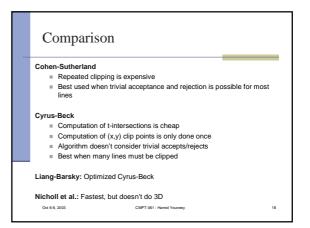


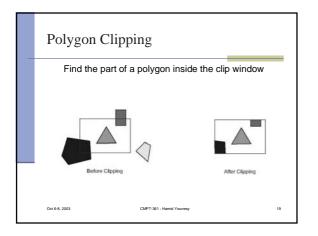




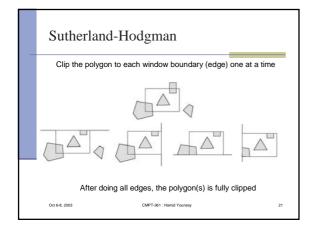


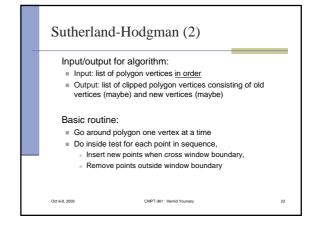


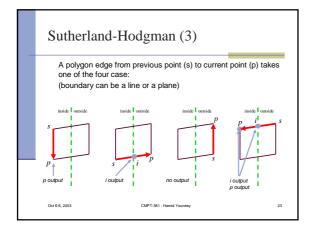


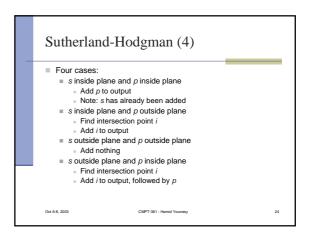


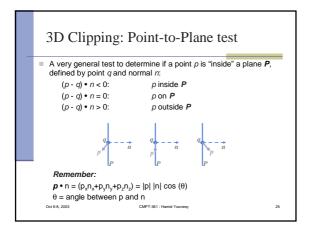
Polygon Clipping (2)				
Polygon Clipping	Polygon Clipping is complex even when the polygon is convex	Polygon Clipping is nasty when the polygons are concave		
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	3D Clipping: Line-Plane Intersections Edge intersects plane <i>P</i> where <i>E</i> (<i>t</i>) is on <i>P</i> <i>q</i> is a point on <i>P</i> <i>n</i> is normal to <i>P</i>					
	$(\boldsymbol{L}(t) \boldsymbol{\cdot} \boldsymbol{q}) \boldsymbol{\cdot} \boldsymbol{n} = \boldsymbol{0}$					
	$t = \left[(\boldsymbol{q} \boldsymbol{\cdot} \boldsymbol{L}_{\boldsymbol{\theta}}) \boldsymbol{\cdot} \boldsymbol{n} \right] / \left[(\boldsymbol{L}_{I} \boldsymbol{\cdot} \boldsymbol{L}_{\boldsymbol{\theta}}) \boldsymbol{\cdot} \boldsymbol{n} \right]$					
The intersection point $i = L(t)$ for this value of t						
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