

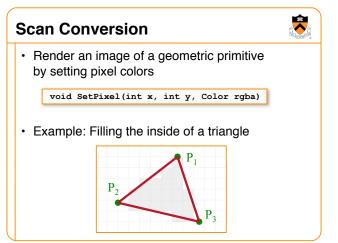
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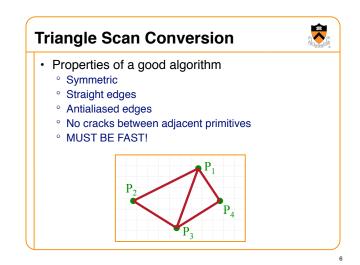
Overview

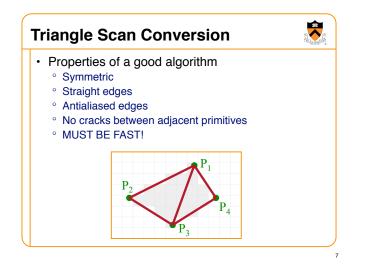
- Scan conversion

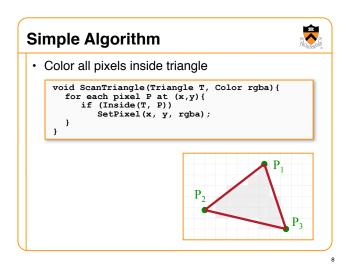
 Figure out which pixels to fill
- Shading • Determine a color for every filled pixel
- Texture mapping
 Oscribe shading variation within polygon interiors
- Visible surface determination
 - ° Figure out which surface is front-most at every pixel

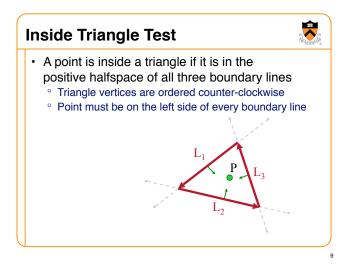
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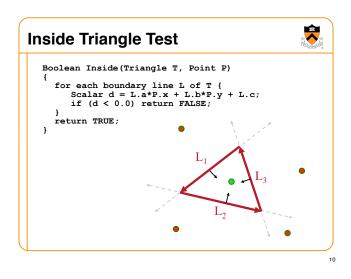


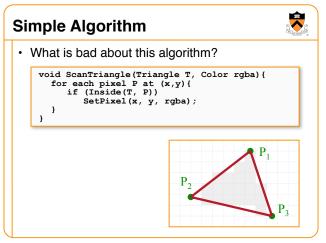


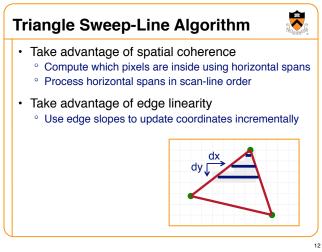


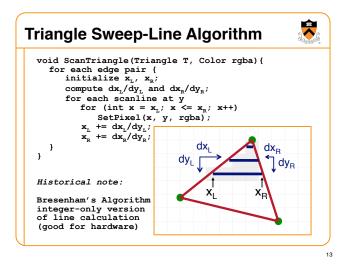


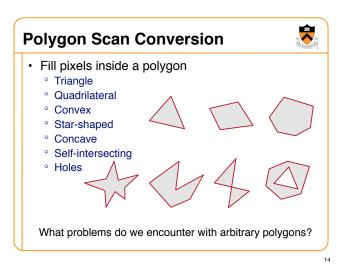


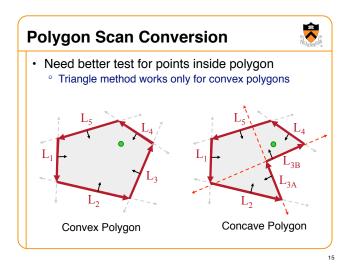


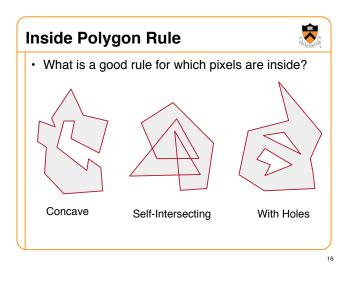


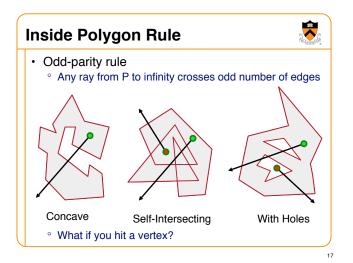


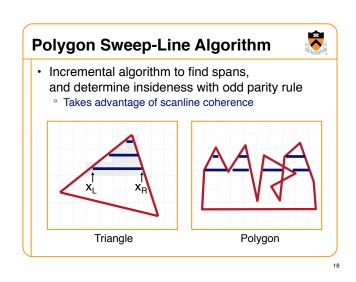




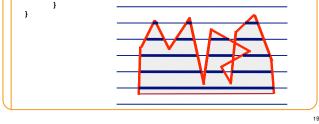


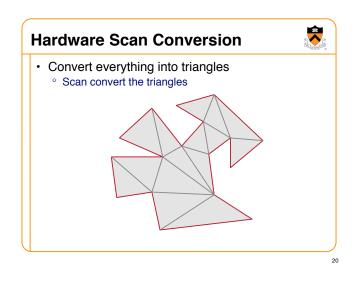




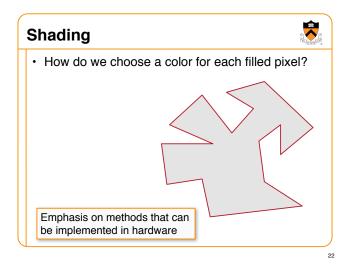


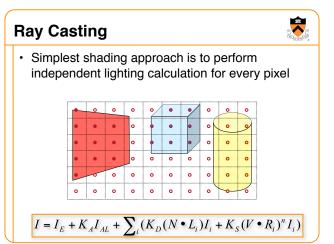
1 Polygon Sweep-Line Algorithm void ScanPolygon(Triangle T, Color rgba) { bid ScanPolygon(Triangle T, COLOR rgpa, t sort edges by maxy make empty "active edge list" for each scanline (top-to-bottom) { insert/remove edges from "active edge list" update x coordinate of every active edge sort active edges by x coordinate for each pair of active edges (left-to-right) SetPixels(x_i, x_{i+1}, y, rgba); '

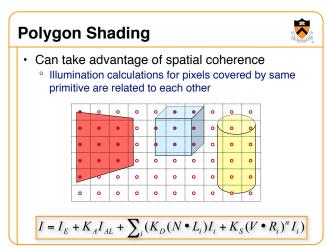




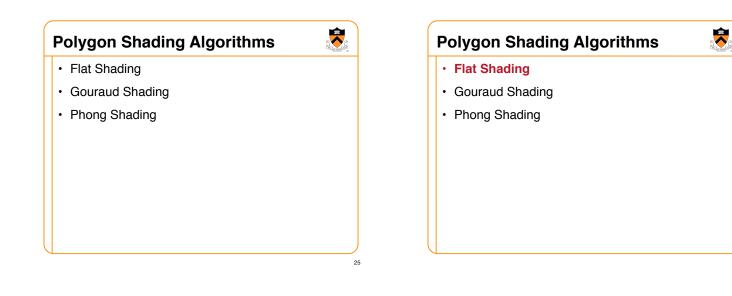
1 **Overview** Shading ° Determine a color for each filled pixel Texture mapping ° Describe shading variation within polygon interiors Visible surface determination ° Figure out which surface is front-most at every pixel

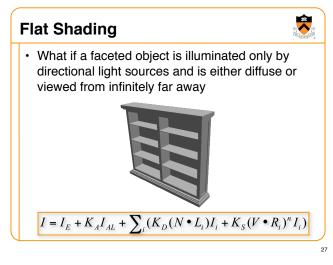


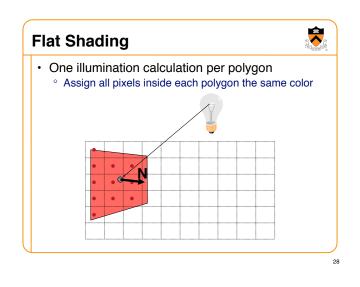


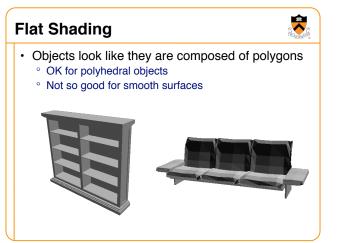


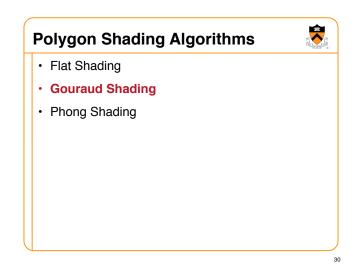
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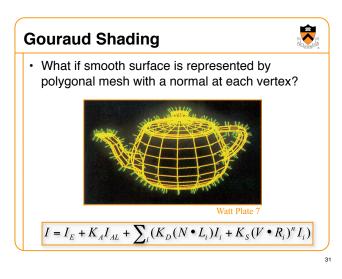


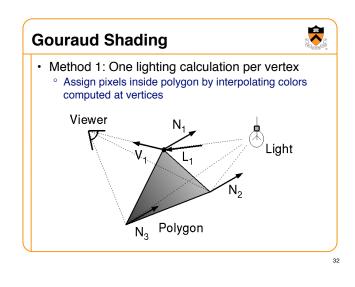


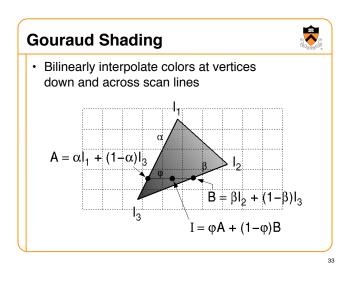


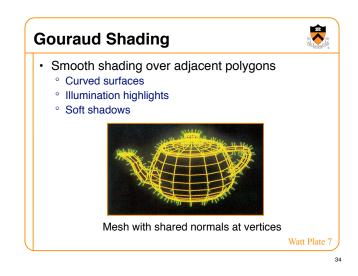


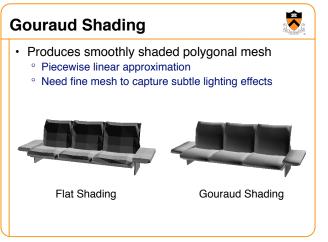


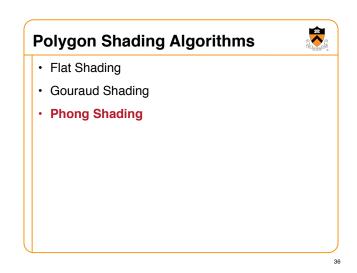


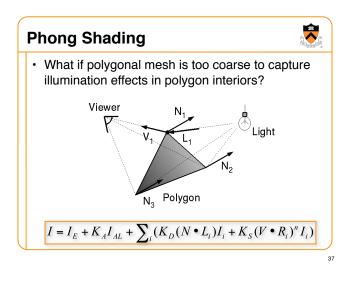


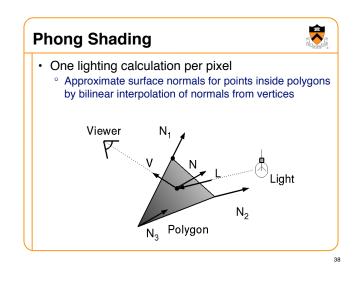


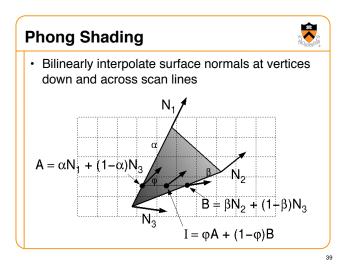


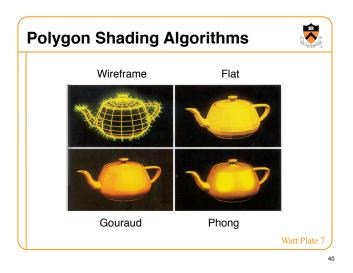


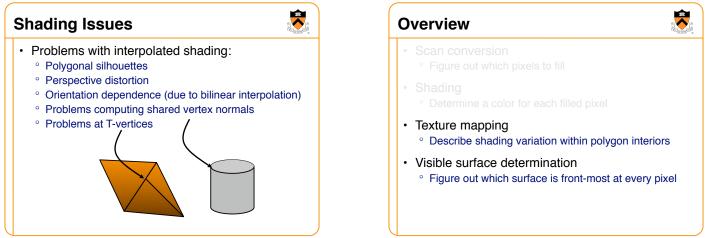


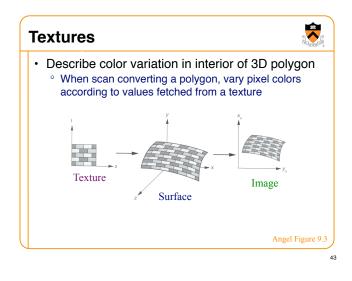


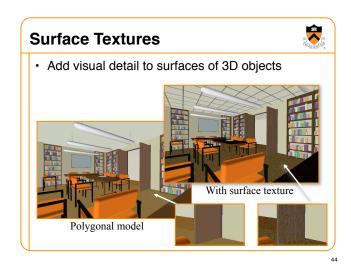


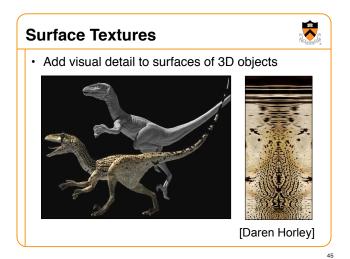


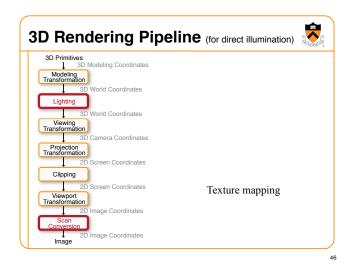


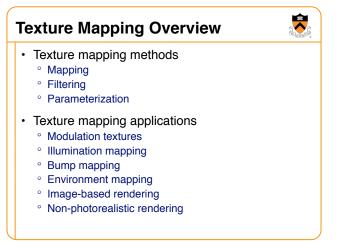


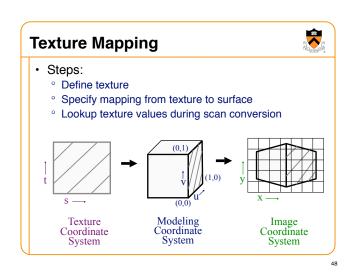


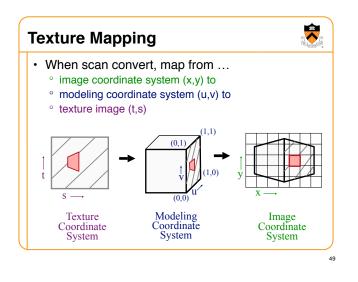


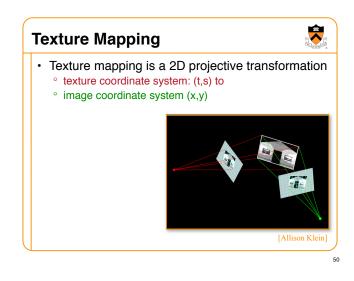


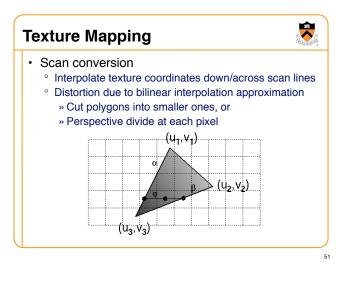


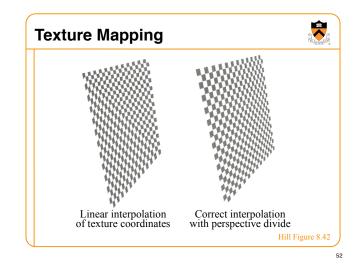


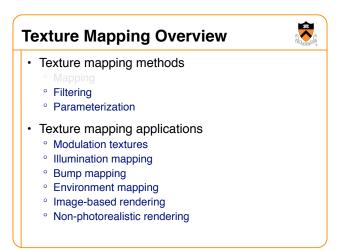


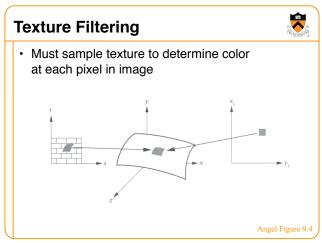


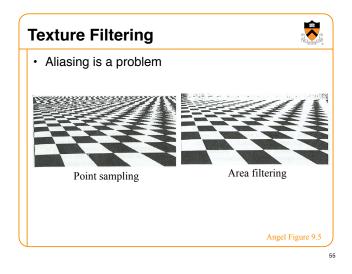


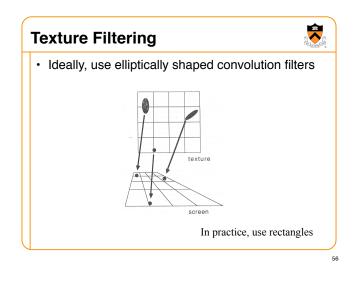


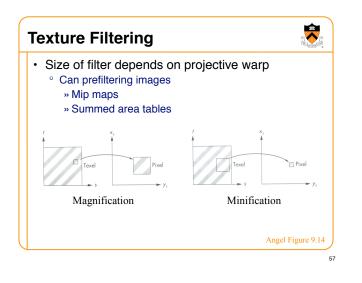


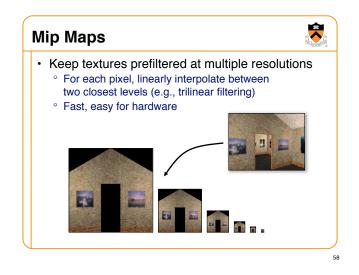


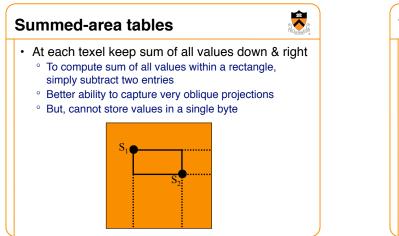


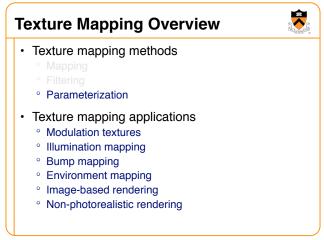


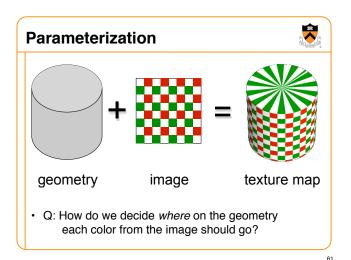


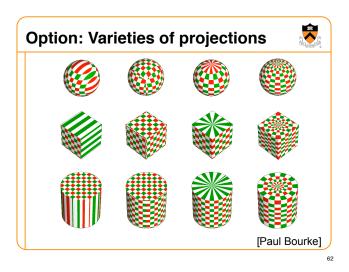


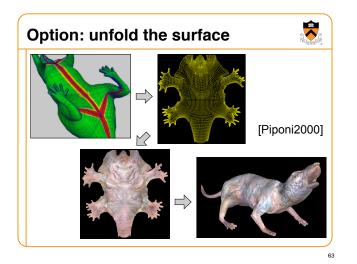


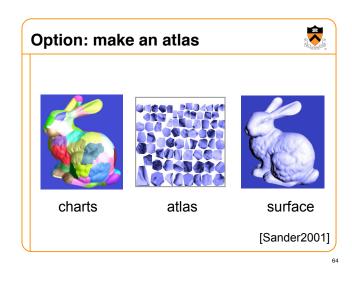


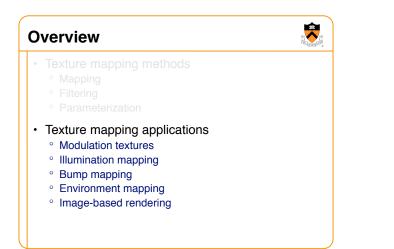


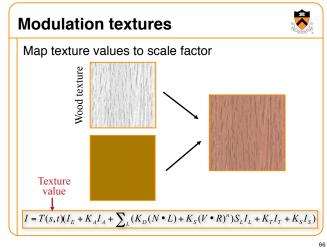


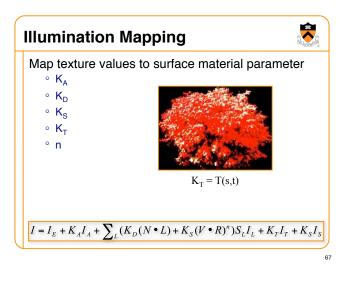


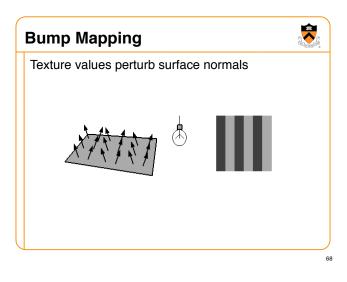


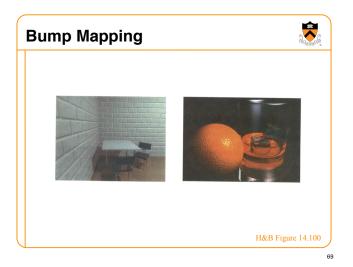


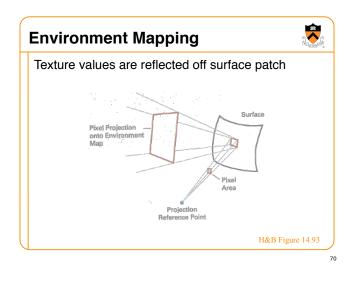


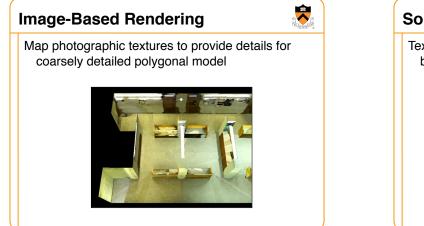




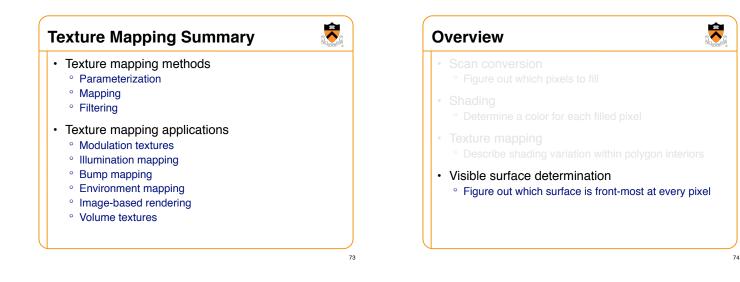


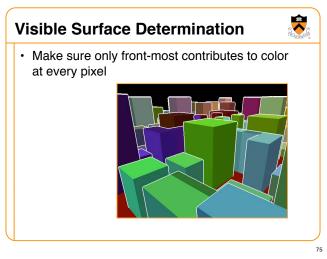


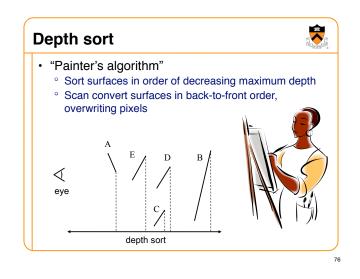


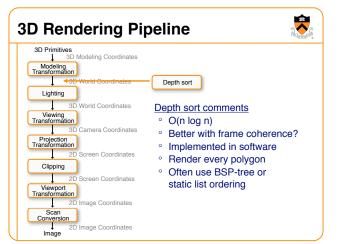


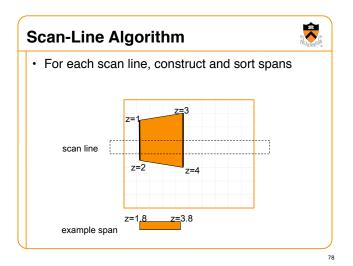


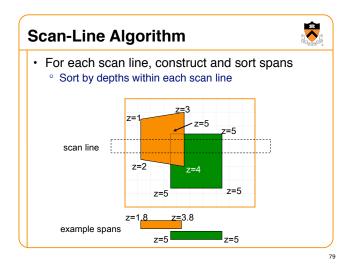


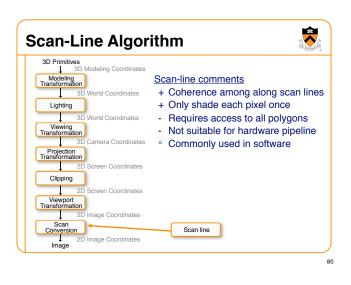












Z-Buffer													
	 Color & depth of closest object for every pixel Update only pixels whose depth is closer than in buffer Depths are interpolated from vertices, just like colors 												
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