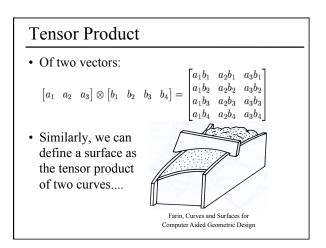
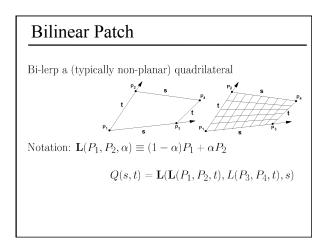
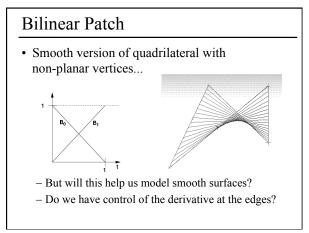
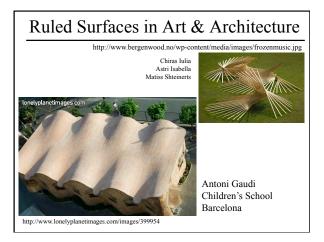


- Spline Surfaces / Patches – Tensor Product
  - Bilinear Patches
  - Bezier Patches
  - Trimming Curves
- Subdivision Surface "Zoo"
- Misc. Mesh/Surface Vocabulary
- "Subdivision Surfaces in Character Animation"

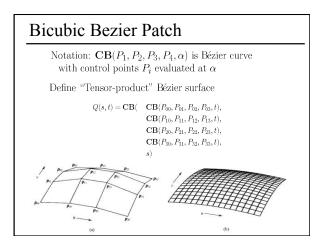


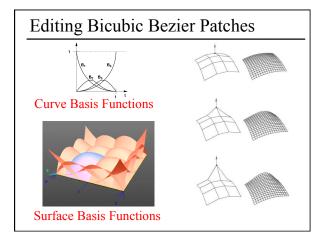


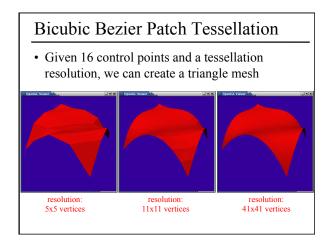


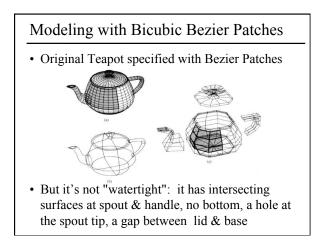


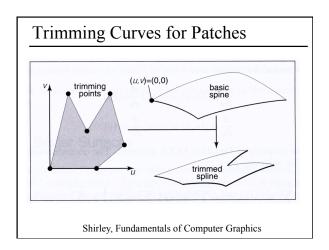
- Spline Surfaces / Patches – Tensor Product
  - Bilinear Patches
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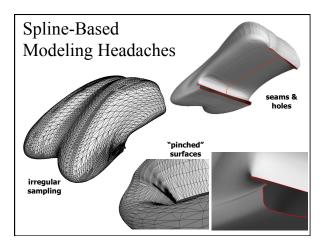


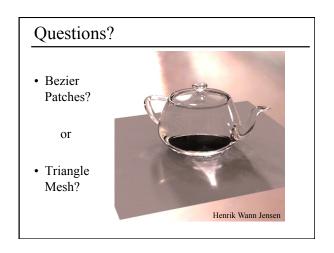




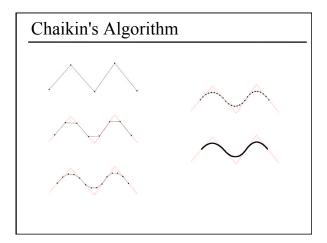


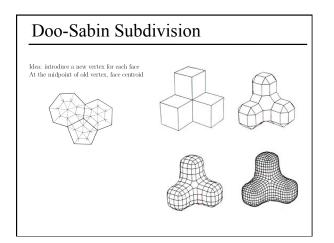


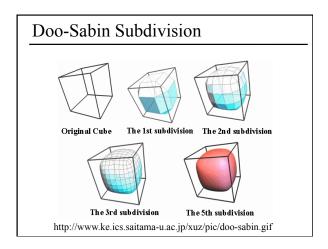


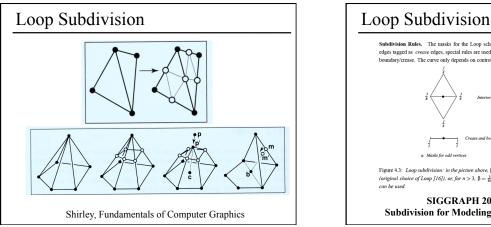


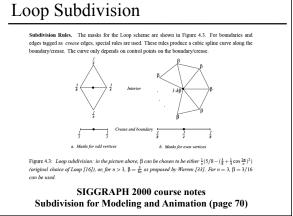
- Spline Surfaces / Patches
- Subdivision Surface "Zoo"
  - Doo Sabin (anything!)
  - Loop (triangles only)
  - Catmull Clark (turns everything into quads)... many others!
- Misc. Mesh/Surface Vocabulary
- "Subdivision Surfaces in Character Animation"

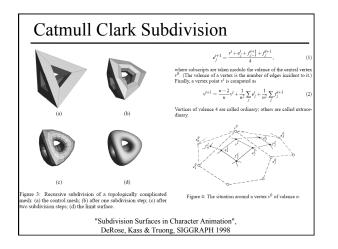


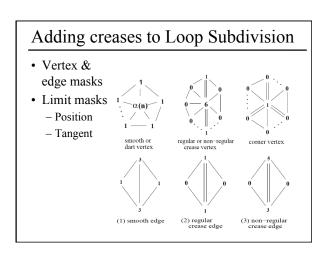


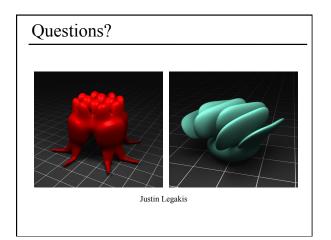




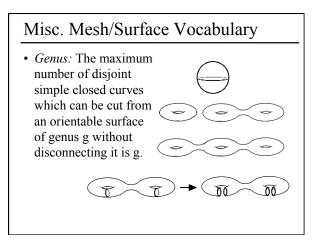


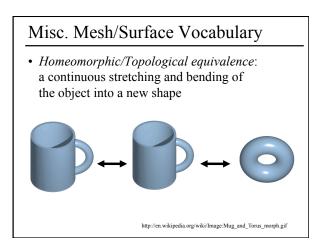


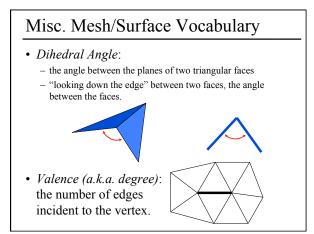


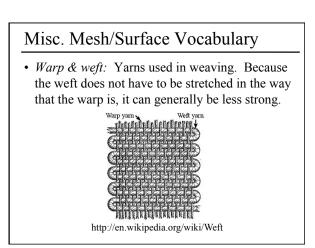


- Spline Surfaces / Patches
- Subdivision Surface "Zoo"
- Misc. Mesh/Surface Vocabulary
- "Subdivision Surfaces in Character Animation"









- Spline Surfaces / Patches
- Subdivision Surface "Zoo"
- Seams In Subdivision
- Misc. Mesh/Surface Vocabulary
- "Subdivision Surfaces in Character Animation"

# Reading for Today

• DeRose, Kass, & Truong, "Subdivision Surfaces in Character Animation", SIGGRAPH 1998



Figure 5: Geri's hand as a piecewise smooth Catmull-Clark surface. Infinitely sharp creases are used between the skin and the finger

