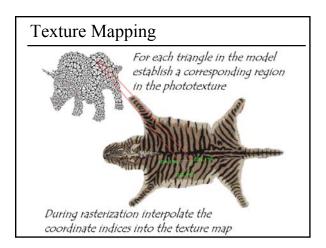
Procedural Modeling

Last Time?

- Measuring BRDFs
- 3D Digitizing & Scattering
- BSSRDFs
 Monte Carlo Simulation
 Dipole Approximation

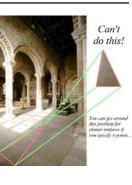
Today

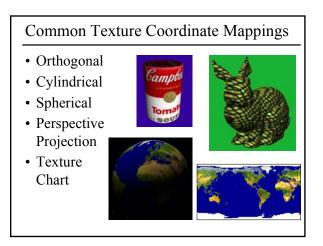
- Texture Mapping
- Common Texture Coordinate Mappings
- Solid Texture
- Procedural Textures
- Perlin Noise
- Procedural Modeling
- L-Systems

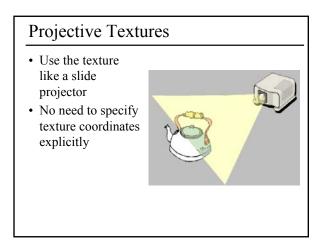


Texture Mapping Difficulties Tedious to specify texture coordinates

- Acquiring textures is surprisingly difficult
 - Photographs have
 - projective distortions – Variations in reflectance and illumination
 - Tiling problems



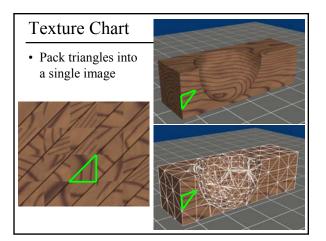




Projective Texture Example

- Modeling from photographs
- Using input photos as textures

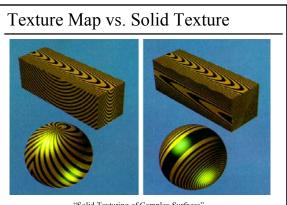




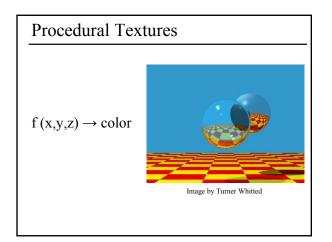
| Questi | ons? | | | |
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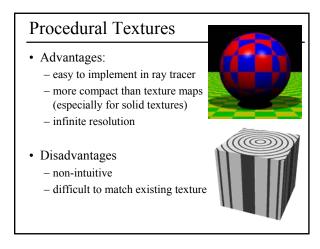
Today

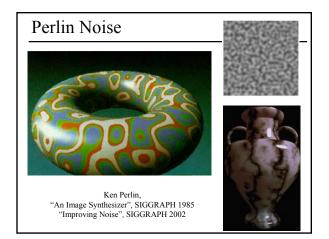
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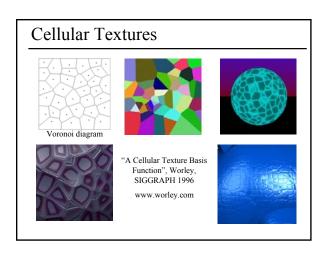


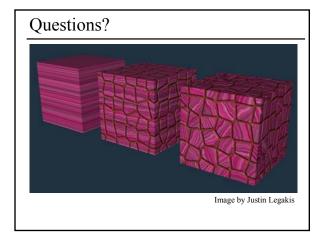
"Solid Texturing of Complex Surfaces", Peachey, SIGGRAPH 1985











Today

- Texture Mapping
- Common Texture Coordinate Mappings
- Solid Texture
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