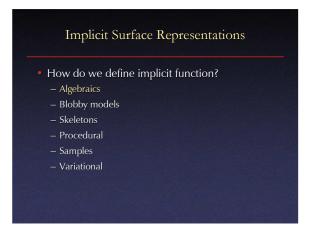
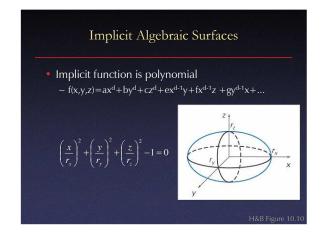
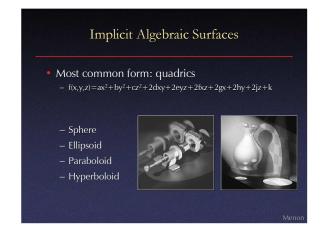
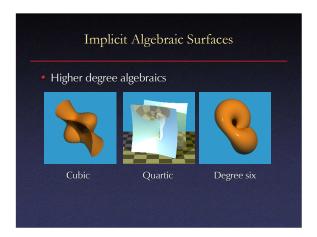


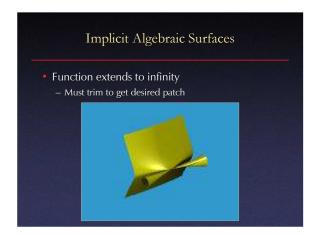
Implicit Surface Representations • How do we define implicit function? - Algebraics - Blobby models - Skeletons - Procedural - Samples - Variational

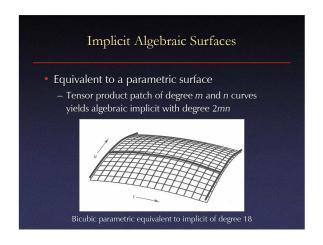


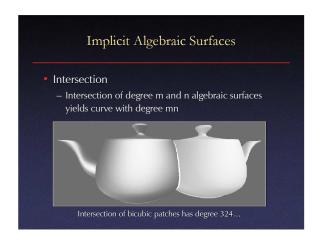


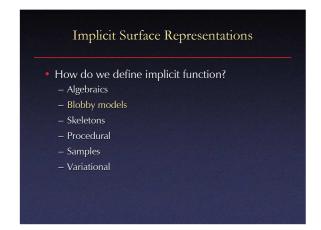


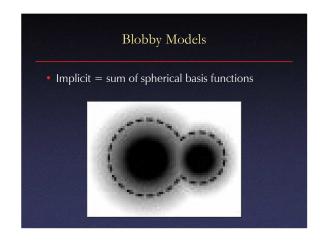


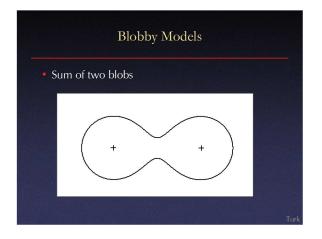


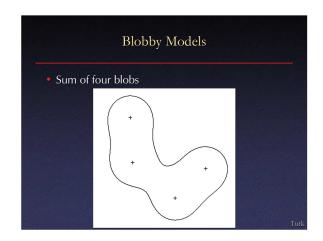


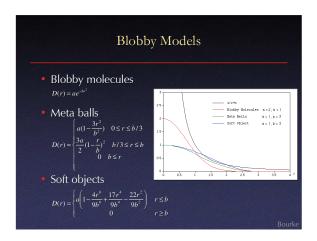


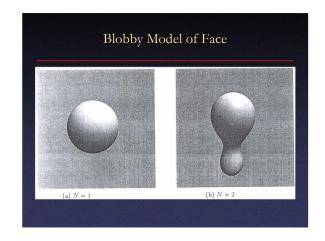


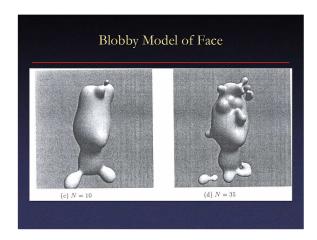


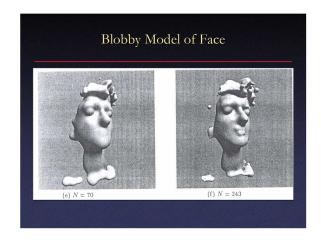


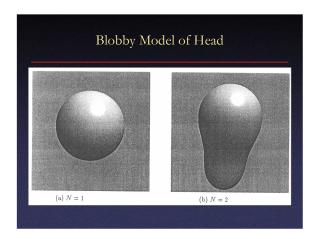


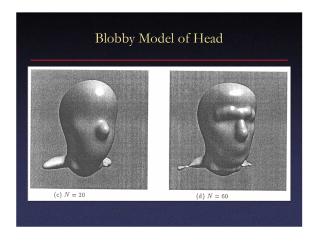


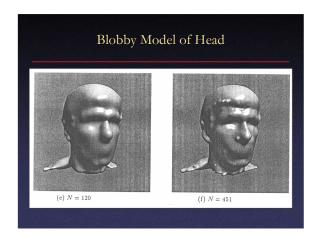


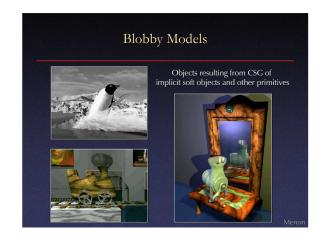


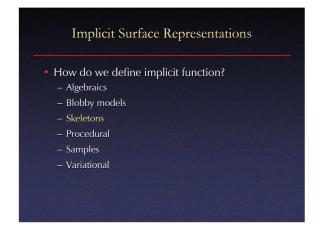


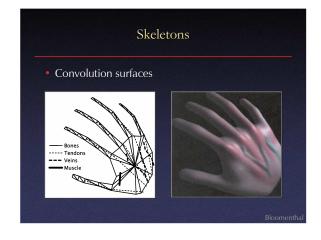


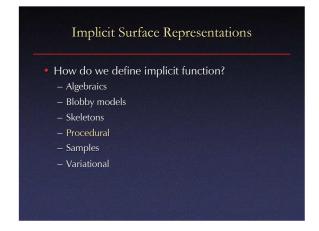


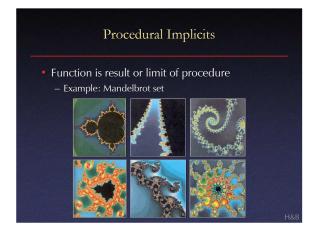


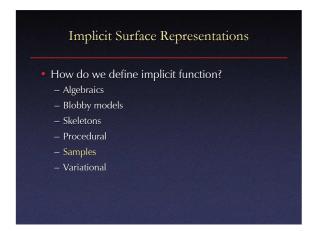


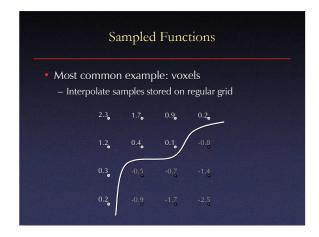


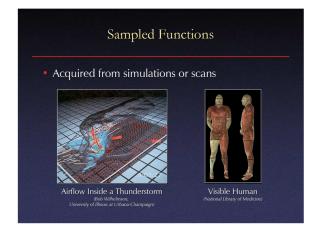


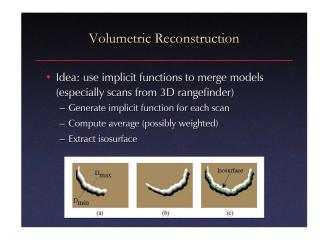


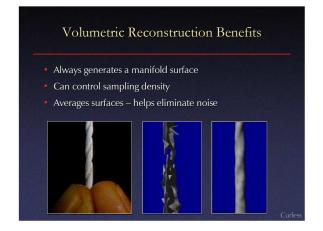


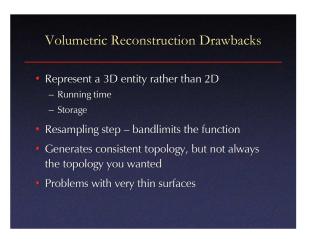


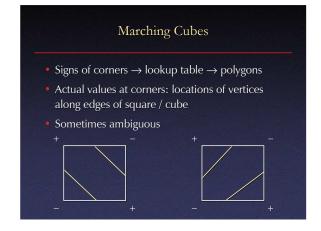


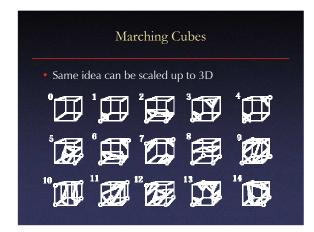


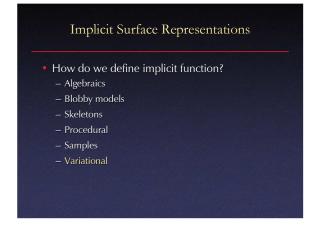


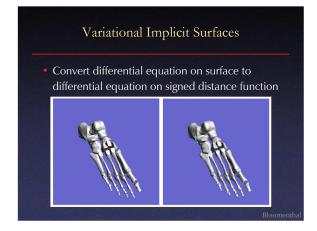


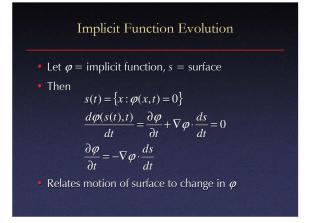


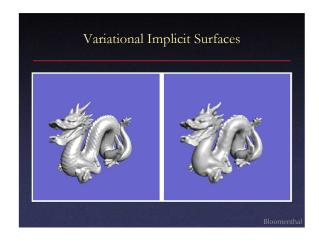




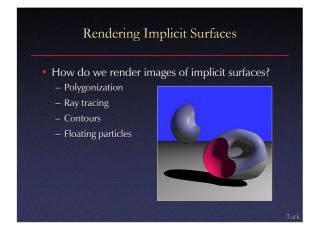


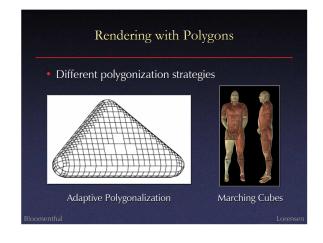


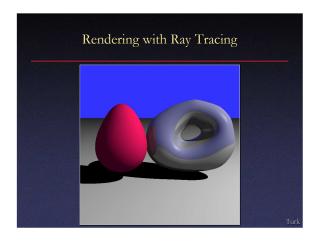


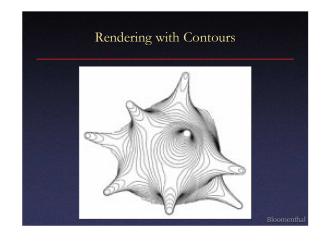


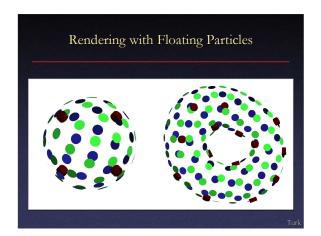












Summary				
Feature	Polygonal Mesh	Implicit Surface	Parametric Surface	Subdivision
Accurate	No	Yes	Yes	Yes
Concise	No	Yes	Yes	Yes
Intuitive specification	No	No	Yes	No
Local support	Yes	No	Yes	Yes
Affine invariant	Yes	Yes	Yes	Yes
Arbitrary topology	Yes	Yes	No	Yes
Guaranteed continuity	No	Yes	Yes	Yes
Natural parameterization	No	No	Yes	No
Efficient display	Yes	No	Yes	Yes
Efficient intersections	No	Yes	No	No