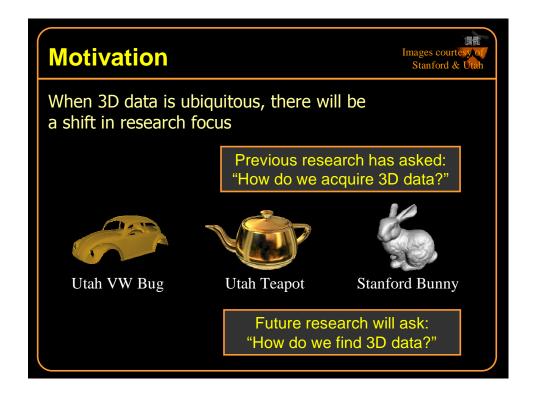
CS597D: Geometric Analysis of 3D Models

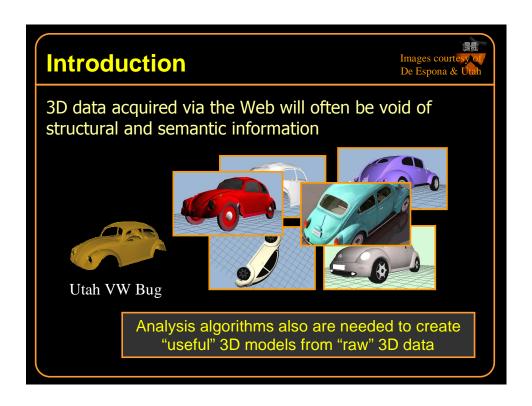
Thomas Funkhouser Princeton University CS597D, Fall 2003

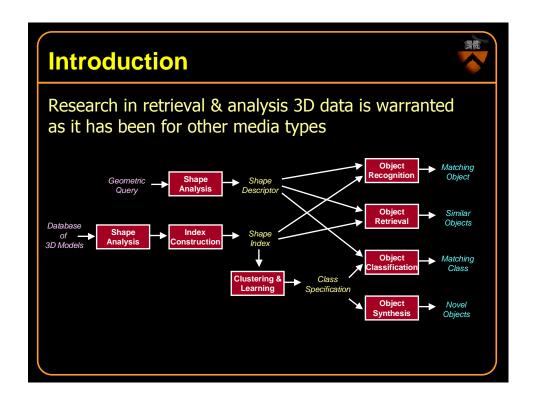


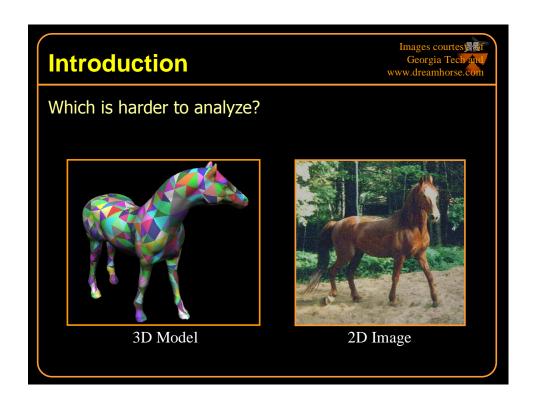
Introduction On-line multimedia data is changing the way we get and use information Call me Ishmael. Some years ago -- never mind how long precisely -- having little or no money in my purse, and nothing particular to interest me on shore. I thought I would sail about a little and see the watery part of the world. It is a way I have of driving off the spleen, and regulating the circulation. Whenever I find myself growing grim about the mouth; whenever it is a damp, drizzly November in my soul; whenever I find myself involuntarily pausing before coffin warchouses, and bringing up the rear of every funeral I meet; and especially whenever my hypos get such an upper hand of me. ... Text What about 3D data?

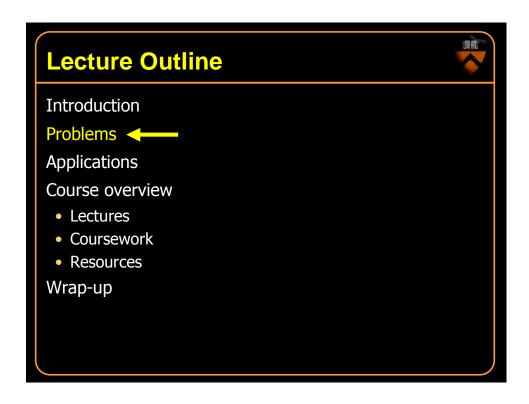




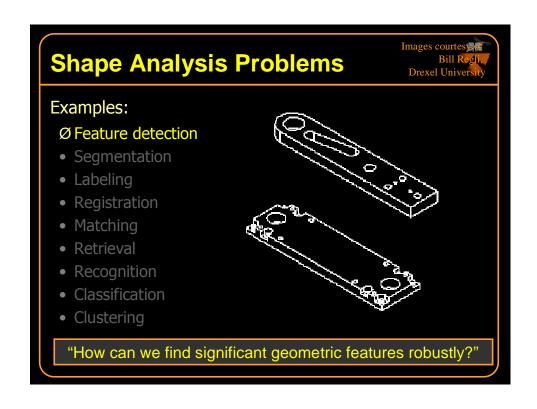


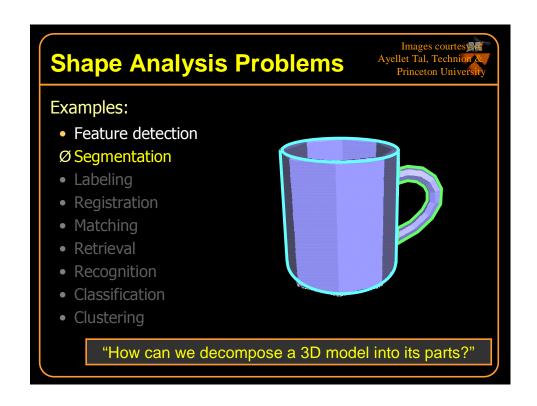


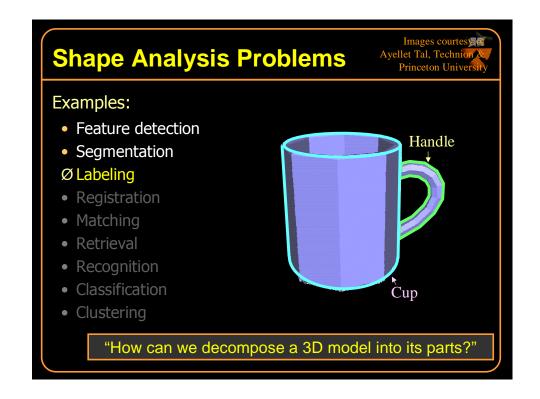


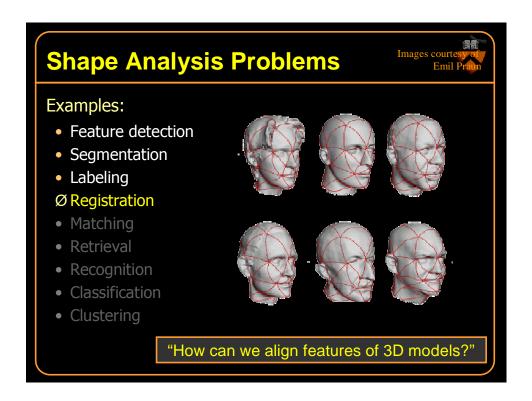


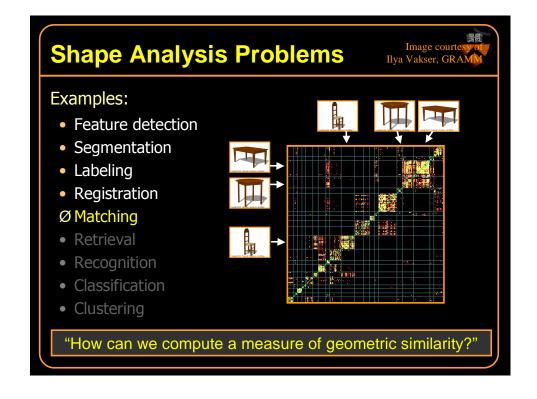
Shape Analysis Problems Examples: • Feature detection • Segmentation • Labeling • Registration • Matching • Recognition • Classification • Clustering • Retrieval

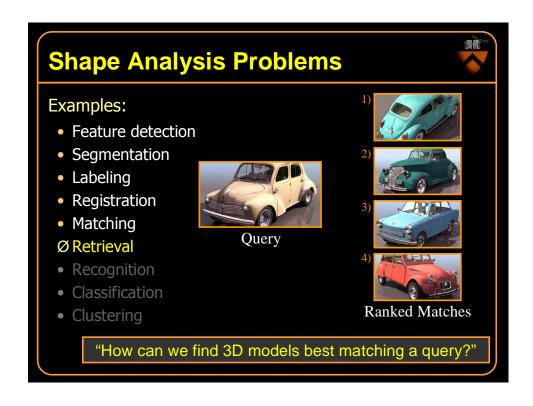


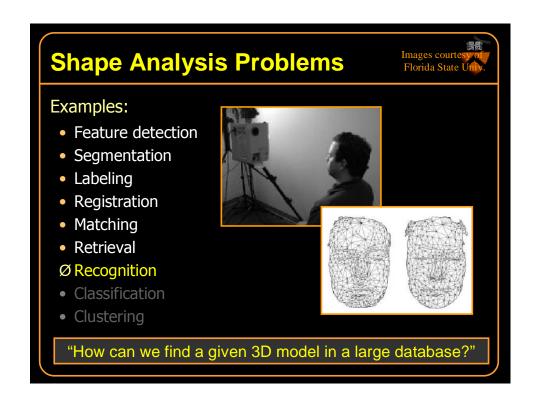


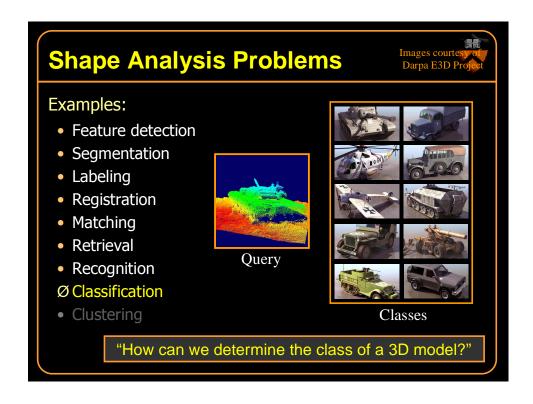


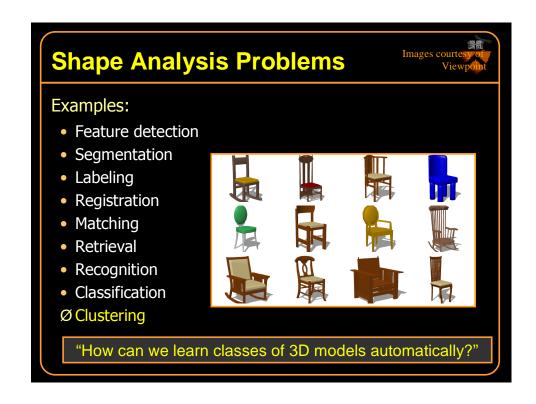


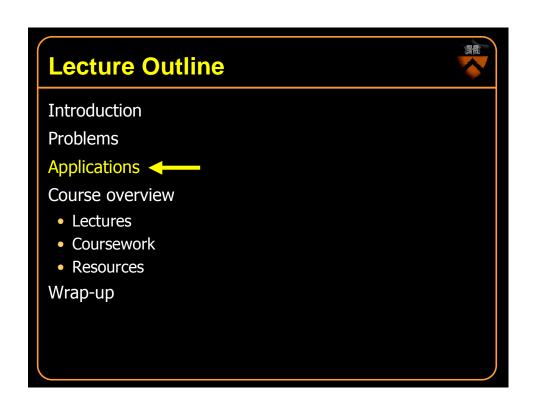


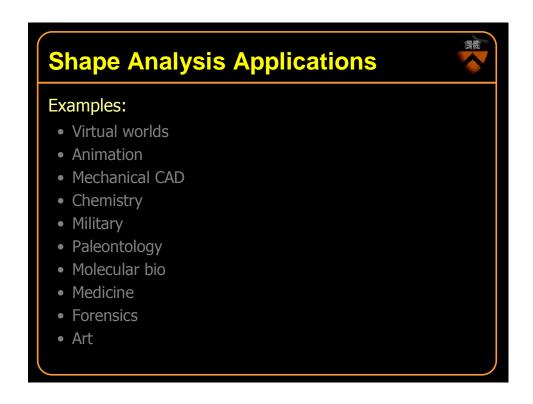


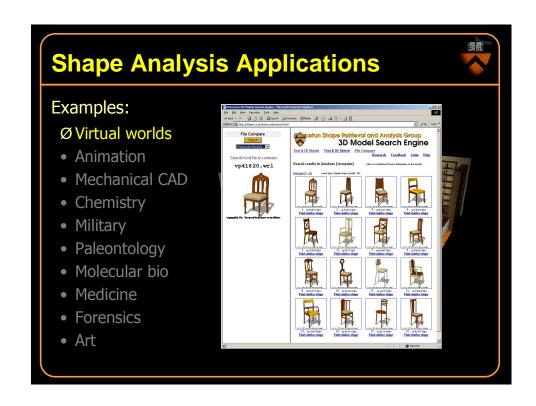


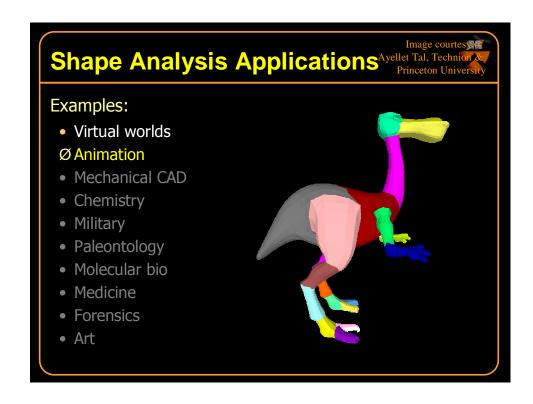


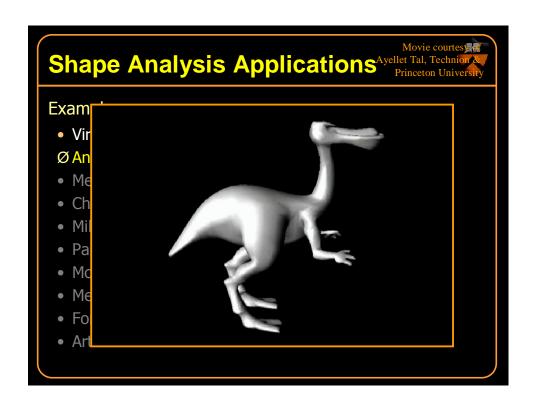


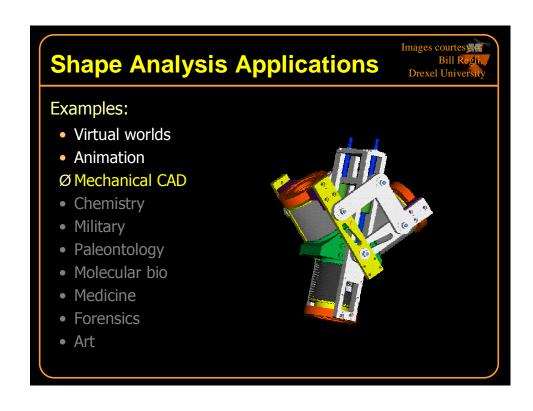


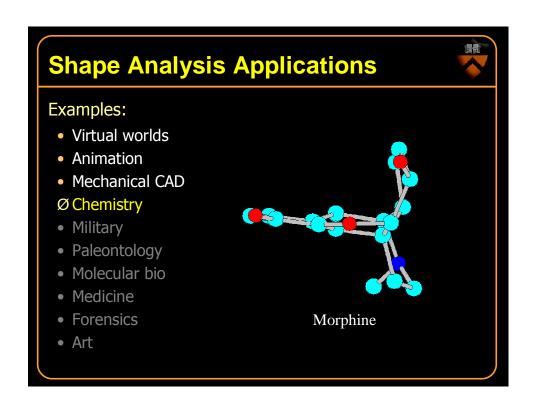


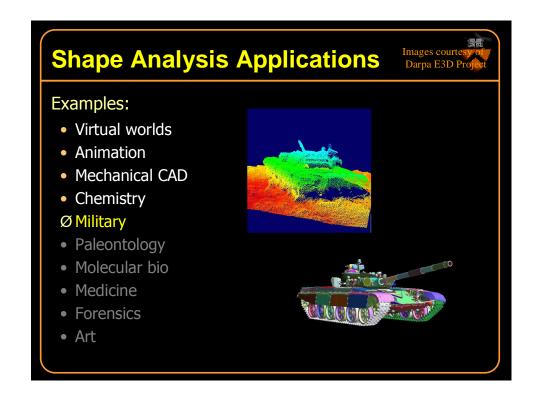


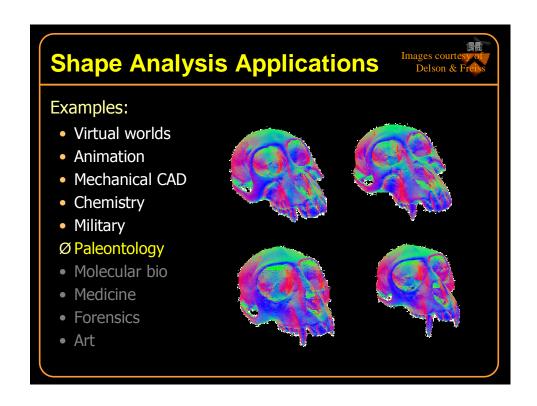


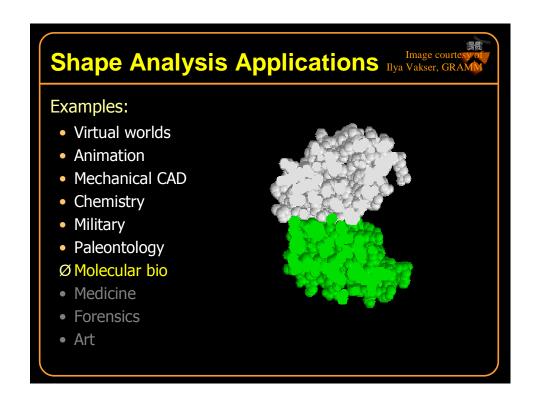


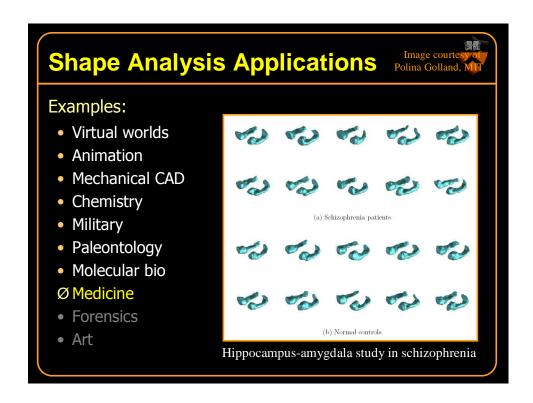


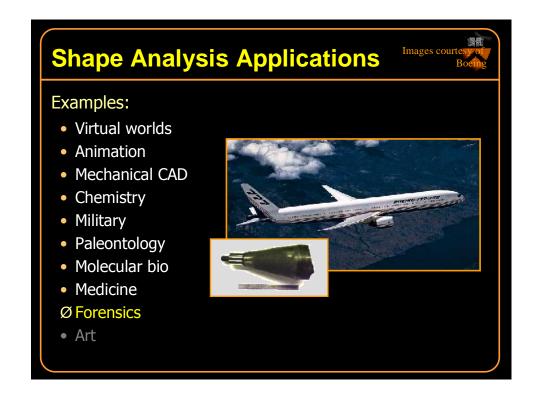


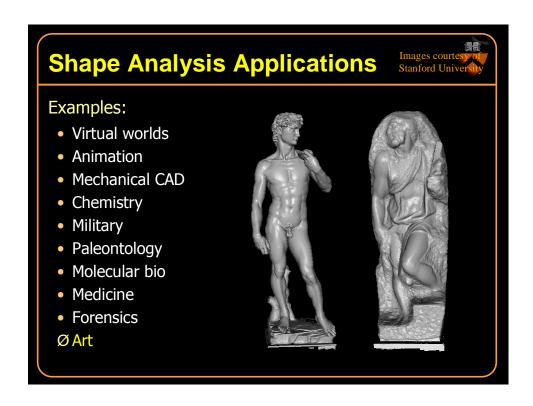


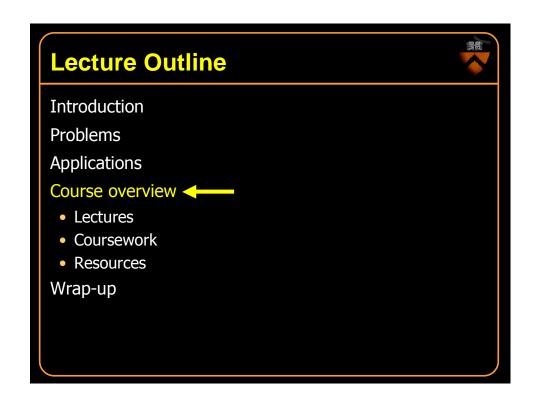


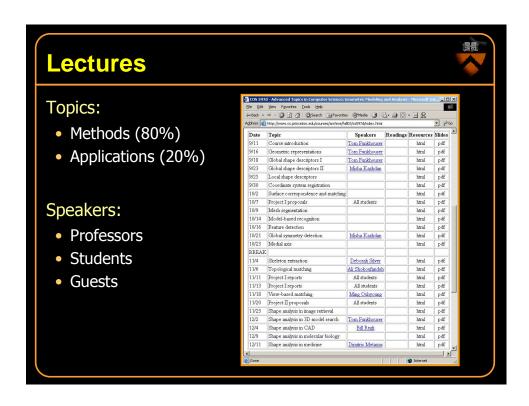


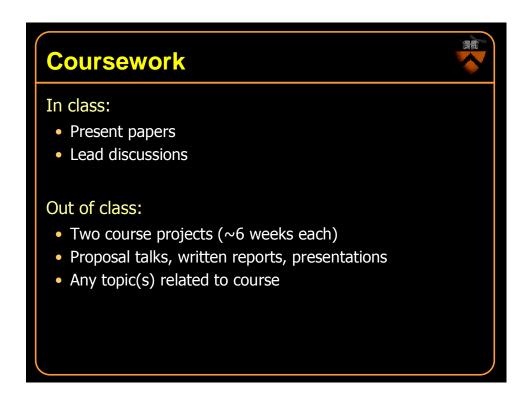












Course Projects

B

Sample topics:

- New representations
- New algorithms
- Compare methods
- Use methods
- Other attributes
- New applications
- Non-CS applications

