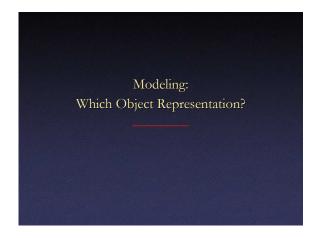


Coursework Written assignments 3 Programming assignments Final project



Why Different Representations? Represent different kinds of information Point data Surface data Volumetric data Higher-level structure

Why Different Representations?
Efficiency for different tasks

Rendering (e.g., with hardware acceleration)
Manipulation (simplification, compression, etc.)
Acquisition
Similarity comparisons, indexing, search

Advantageous properties

Compactness of representation
User control for creation or manipulation
Simplicity

