





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























Shape Analysis Applications	
Examples:	
Computer graphics	
Geometric modeling	
Mechanical CAD	
Archaeology	
Virtual worlds	
Paleontology	
Molecular bio	
Medicine	
Forensics	
• Art	























































D2 Shape Distribution

Properties

Concise to store Quick to compute Invariant to transforms Efficient to match Insensitive to noise? Insensitive to topology? Robust to degeneracies? Invariant to deformations



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D2 Shape Distribution Results						
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