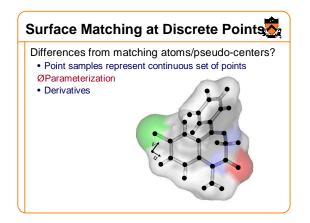
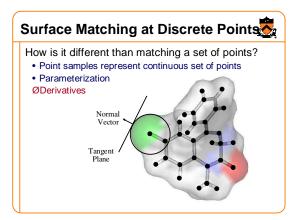
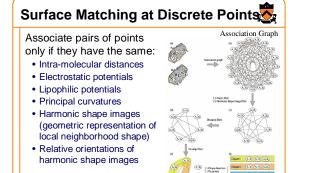
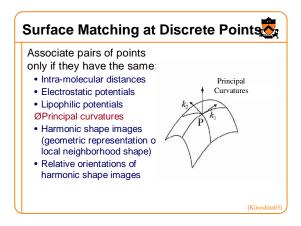


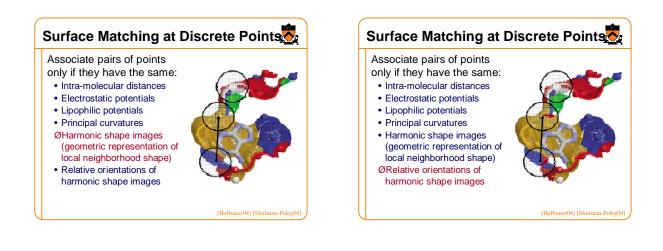
Surface Matching at Discrete Points

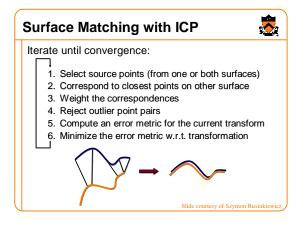


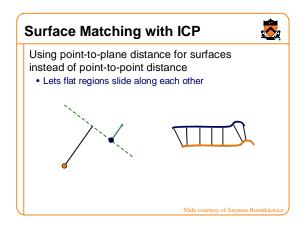


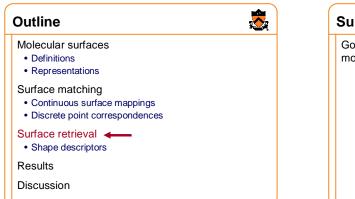


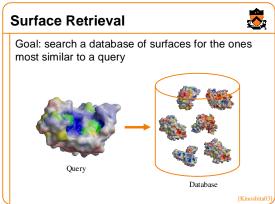




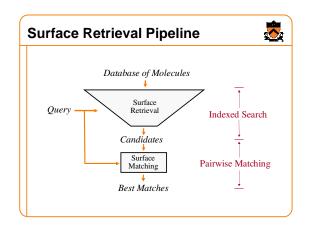


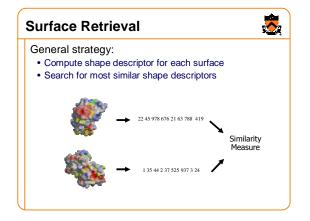


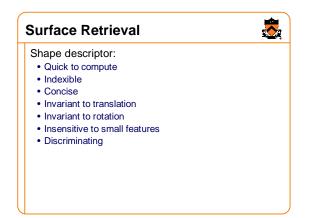


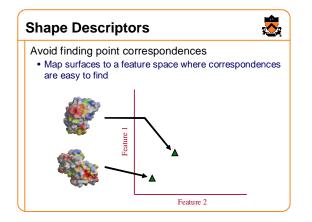


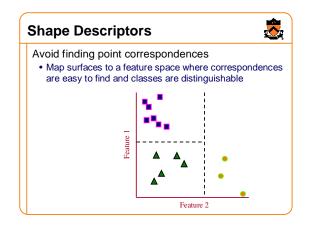
Surface Retrieval Requirements: • Should be fast (indexed) • Should be conservative (don't miss any good matches) • Can be approximate (check best matches in more detail) Observation: • Finding explicit correspondences/mappings for every pair of surfaces is too slow

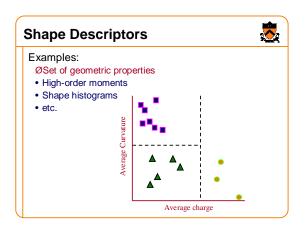


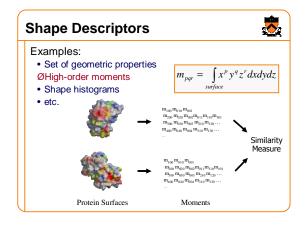


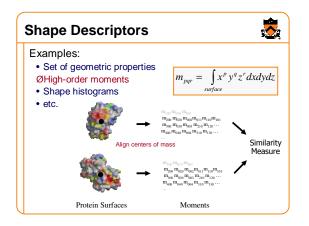


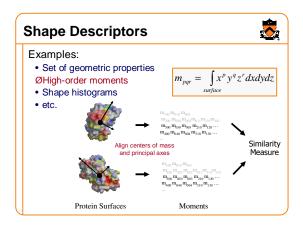


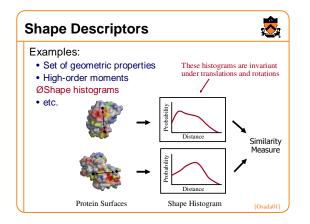


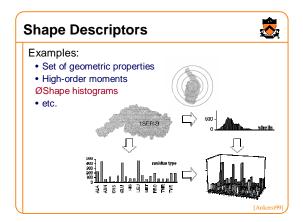


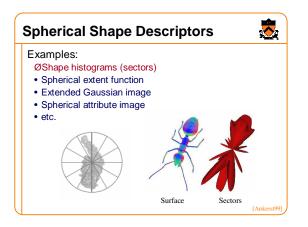


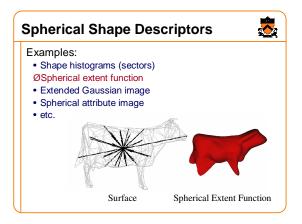


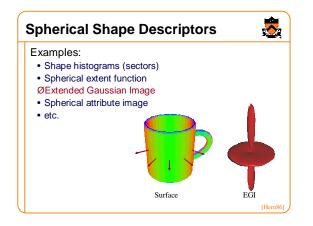


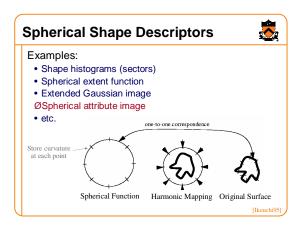




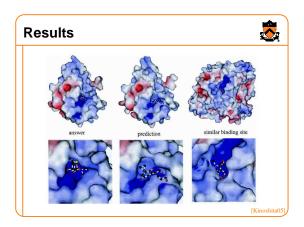


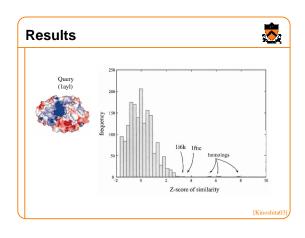


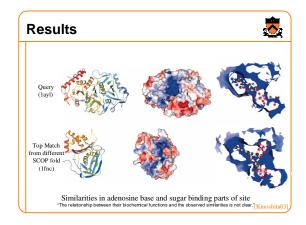


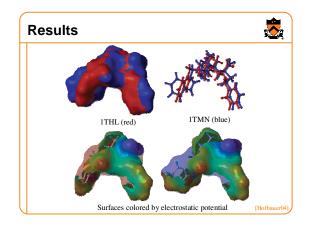


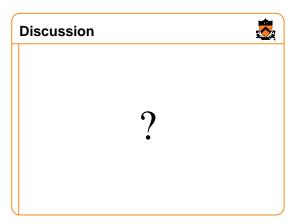
Outline	
Molecular surfaces Definitions Representations 	
Surface matching Continuous surface mappings Discrete point correspondences 	
Surface retrieval Shape descriptors 	
Results 🛶	
Discussion	











References



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