Laplacian Mesh Editing

COS 526 – Fall 2010 Guest lecturer: Yaron Lipman (most of the) Slides borrowed from: Olga Sorkine

Outline

- Differential surface representation
- Ideas and applications
 - Compact shape representation
 - Mesh editing and manipulation
 - Membrane and flattening
 - Generalizing Fourier basis for surfaces























Editing using differential coordinates • The user moves the handle and interactively the surface changes. · The stationary anchors are responsible for smooth transition of the edited part to the rest of the mesh. · This is done using increasing weight with geodesic distance in the soft spatial equations.























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The End