TextDeformer: Geometry Manipulation using Text Guidance

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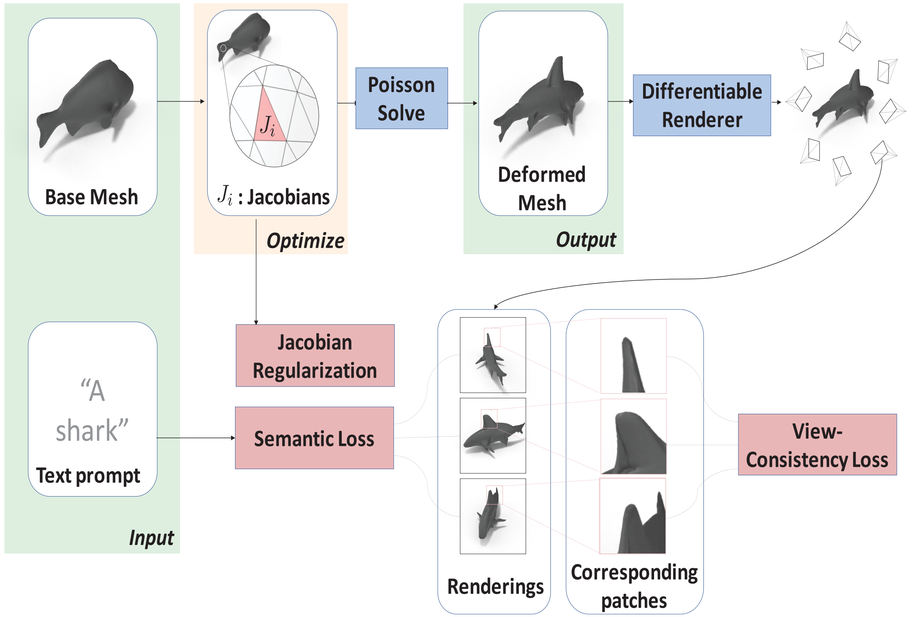
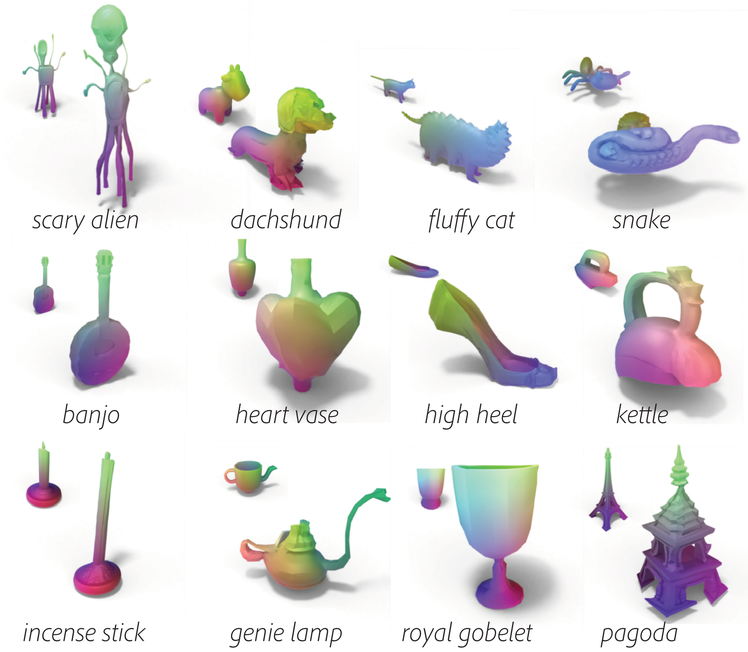
Goal : 3D Mesh Deformation
Key Observation : deforming using Jacobians yields smoother deformations

	CLIP R-Precision (L/14) ↑	Intersections ↓
Ours	55.2%	3.2%
Ours-noVP	51.5%	3.3%
Ours-Verts	55.4%	67.7%
CLIP-Mesh	57.4%	62.8%
Text2Mesh	12.7%	17.3%

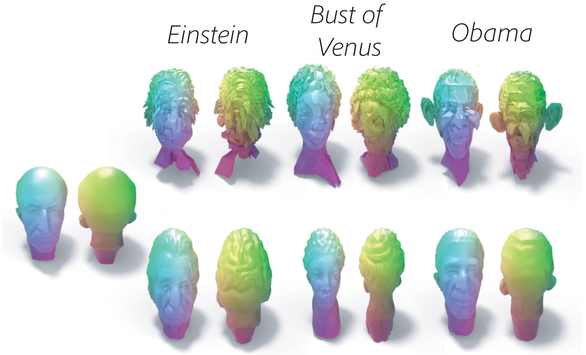
Method



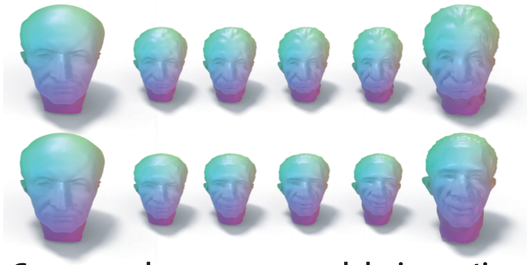
Results



Gallery



Vertex def. (top) VS Jacobian def. (bottom)



Correspondences preserved during optim.