SilSketch: Automated Sketch-Based Editing of Surface Meshes

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Terms

- Model
- Silhouette
- Oversketch
- Handle
- ROI
“Typical” Process for silhouette based editing

- Handle
- ROI
- Feature
Silhouette

- **Math**
  - \( \text{sil}(p) := D2[\text{depth}(p)] > \theta_p \)
  - \( \text{cont}(a, b) := ||\text{depth}(a) - \text{depth}(b)|| < \theta_n \)

- **Edge Removal** < 2 similar neighbors
Handle Estimation

- simplify line
- cull search
- calculate turning angles
- Match line
Handle vertex selection

- volumes
- point matching
ROI Estimation

- distance -> radius
- Volume union
LSE
LSE Coolness
Quick Recap and Results

Video can be found at http://www.cg.tu-berlin.de/sbm.html
Issues