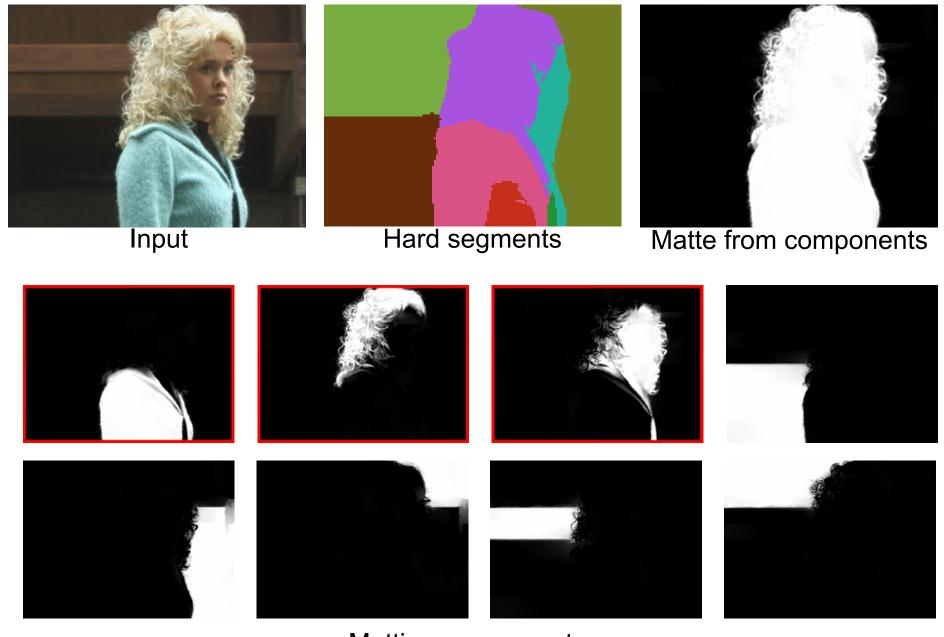
Spectral Matting

Supplementary material

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¹School of CS&Eng The Hebrew University ²CSAIL MIT

Spectral clustering vs. spectral matting



Matting components

Smallest Eigenvectors





Matting components





Matting candidates













Matting candidates

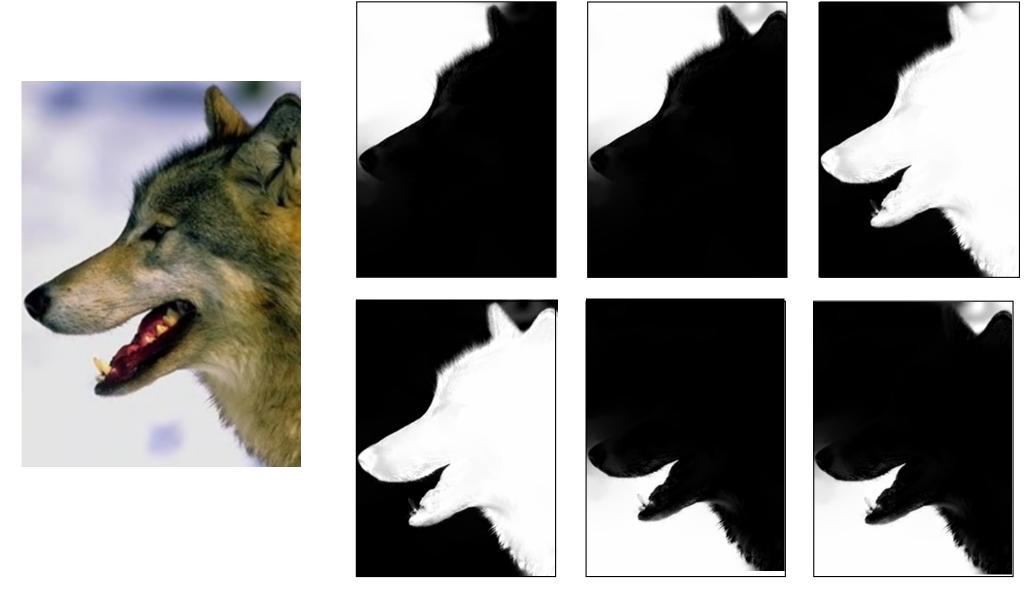






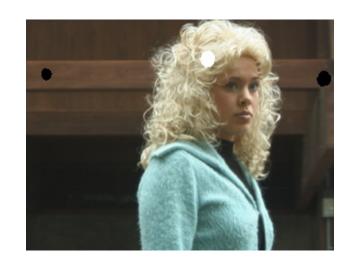


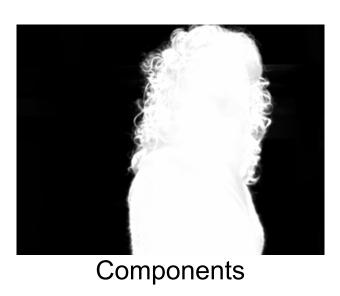




Matting candidates

Guided Matting

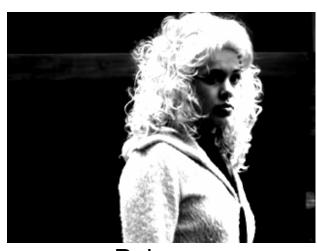












Random Walk

Poisson

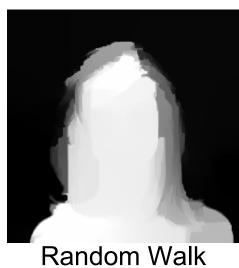
Guided Matting

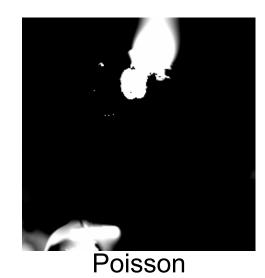












Guided Matting

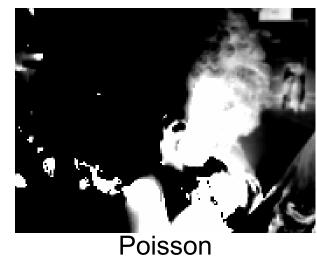




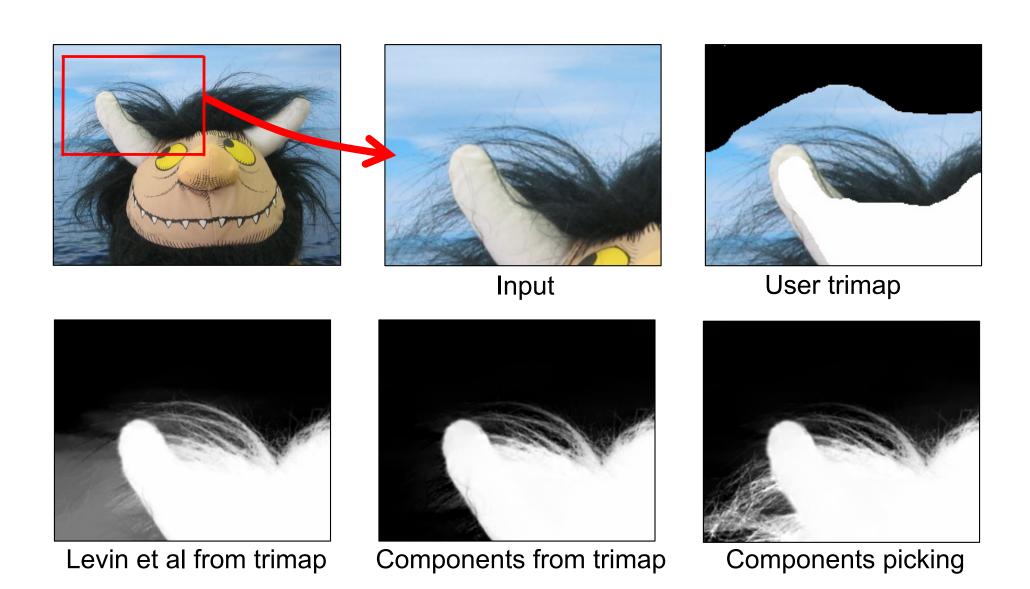






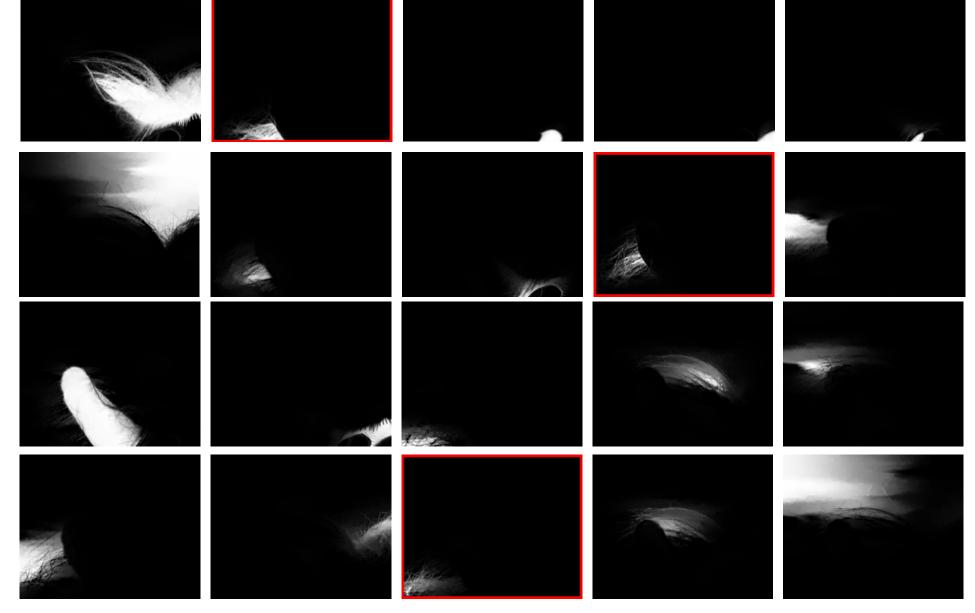


Benefits of components picking

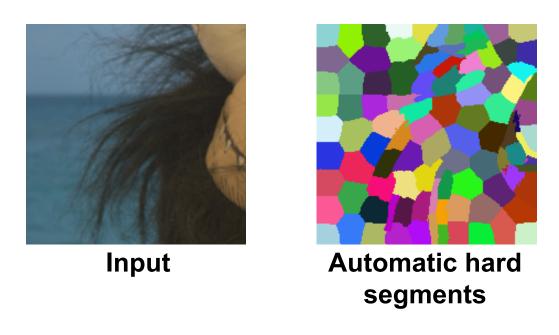


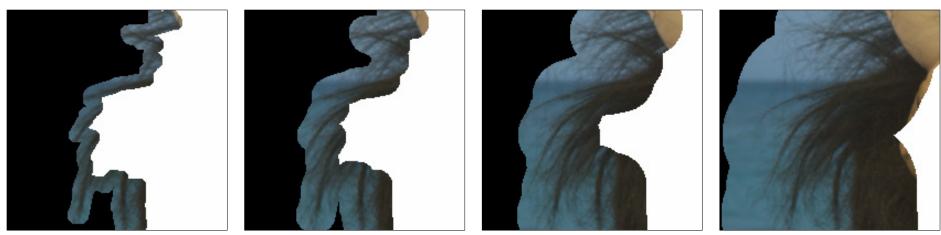


Matting Components



Spectral Matting vs. Hard Segmentation





Automatic trimaps (eroding hard segmentation with different mask widths)



Spectral Matting vs. Hard Segmentation

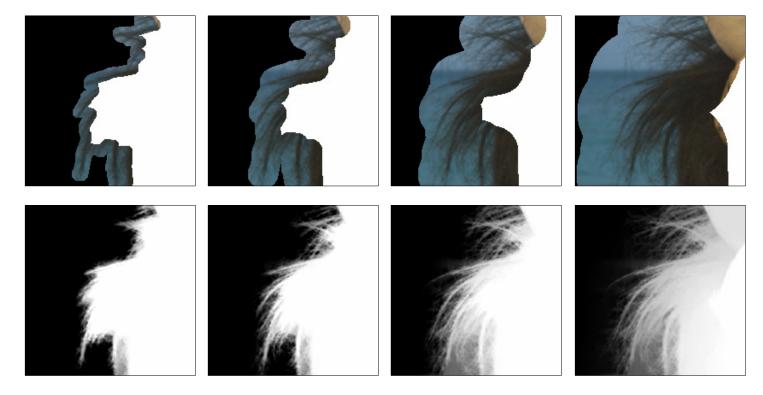
Input



Ground truth



Matte by picking components



Matte from automatic trimaps

Limitations



Input



70 eigs approximation



Ground truth



400 eigs approximation