

Computational Photography

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How to use the tool

Start the code (it's organized in a cell). An image will pop up and you can mark a foreground region using the mouse. As soon as you're done, use the keyboard to indicate whether you want to mark some more foreground regions (1) or move on to marking background regions (0). Then, follow the very same procedure to mark background regions.

Examples

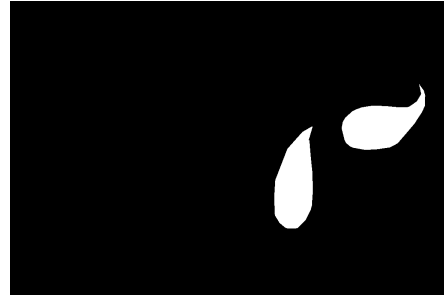
See Figures 1 and 2.



Input image



background mask



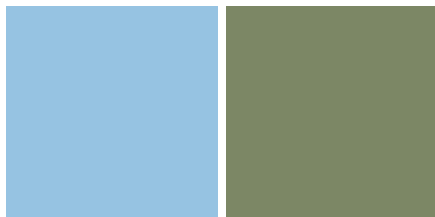
foreground mask



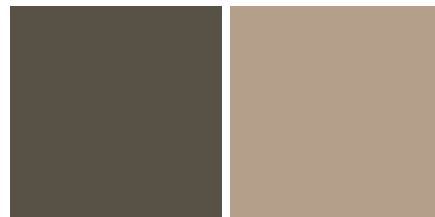
background model probabilities



foreground model probabilities



Average colors of background



Average colors of foreground

Figure 1: A visualization of the user-generated fore- and background masks and the fitted color models (Gaussian mixture model with 2 components).



Input image



background mask



foreground mask



background model probabilities



foreground model probabilities



Average colors of background



Average colors of foreground

Figure 2: A visualization of the user-generated fore- and background masks and the fitted color models (Gaussian mixture model with 2 components).