**GrabCutIOS**

Image segmentation using GrabCut algorithm in IOS

**Overview**

GrabCut is an image segmentation method based on graph cuts. The algorithm was designed by Carsten Rother, Vladimir Kolmogorov & Andrew Blake from Microsoft Research Cambridge, UK. in their paper, "GrabCut": interactive foreground extraction using iterated graph cuts . An algorithm was needed for foreground extraction with minimal user interaction, and the result was GrabCut.

**Requirement**

OpenCV Framework

**Limitation**

This program use OpenCV library. It is not use GPU in IOS. it is obviously more slower than library that it use GPU. So I want to improve this code to use GPU like GPUImage.

This algorithm is based on color value distribution. There is a limitation when foreground and background color are similar.

**References**

http://docs.opencv.org/master/d8/d83/tutorial\_py\_grabcut.html#gsc.tab=0

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@Author Carlsen Neve

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