Matlab Project #5 – Segmentation and Matting

Introduction

In this project we’ll implement the simplified version of image Segmentation and Matting algorithm [1].

**Note:** before starting to work on this Project, it is recommended to answer questions in Lab 5, Part 3.

Questions

1. Describe the simplified version of image Segmentation and Matting algorithm [1] that was introduced in two lab meetings.
2. Implement this algorithm.
3. Provide the relevant Figures (Input image with Scribble Points, Foreground/Background Likelihood histograms, Histogram Back-Projection image for Foreground/Background, Discrete Weighted Geodesic Distance for Foreground/Background, Boundary (“Binary Segmentation”), Trimap, Alpha, and Segmented Foreground on New Background).

Submission

You have to submit the Project Report (with the code included in printed form) at 18/06/2013 at the lab (from 13:00 until 14:00) or on the Video Processing lesson (at the breaks between the lectures).

References
