

ECE/CS 433 Introduction to Computer Graphics

Class 7
September 11, 2007

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Advanced Graphics Lab



Highlights of SIGGRAPH 2007
Part II

Friday, September 14, 2007
ECE 118 at noon



Last time

- Light field and image generation
- Focusing as operations on the light fields

Today

- Operations on images
- Matting!

Homework assigned today

- 3 programming problems
- Bilinear resampling filter
- Seam carving
- Photomosaics

Bilinear resampling filter

Seam Carving

- “Seam carving for content-aware image resizing,” Shai Avidan and Ariel Shamir

Photomosaics

Matting



original image (I) matte (α) foreground (F) new image

Green screen matting



Green screen matting

