

Outline

CS376 Computer Vision

Wednesday March 2, 2011

- Image mosaics:
 - Applying with 2d image warping (forward, inverse)
 - Using homographies to manipulate images: rectification, stitching
 - Robust feature based alignment
 - RANSAC for homographies
- What features to match?
 - Basic local feature matching pipeline
 - Motivation for properties of local detector
 - Interest point detection
 - Harris corner detector
 - properties
 - Automatic scale selection, main idea
 - Laplacian of Gaussian