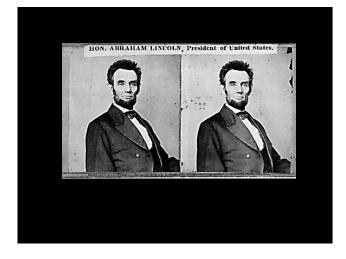
Announcements

- Project 2 code & artifact due Friday
- Midterm out tomorrow (check your email), due next Fri

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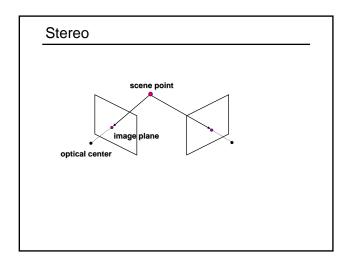


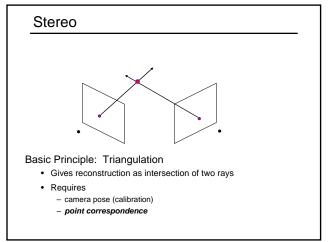
Anaglyphs online

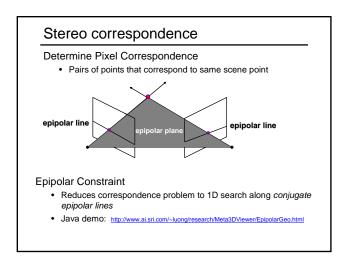
I used to maintain of list of sites, but too hard to keep up to date. Instead, see wikipedia page:

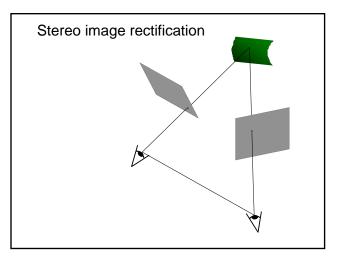
http://en.wikipedia.org/wiki/Anaglyph_image

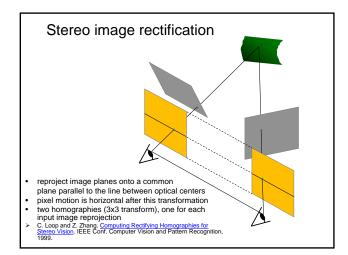
A free pair of red-blue stereo glasses can be ordered from Rainbow Symphony Inc • http://www.rainbowsymphony.com/freestuff.html

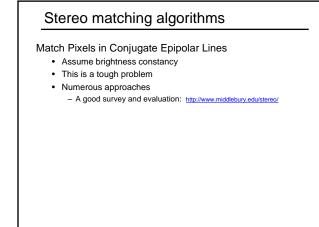


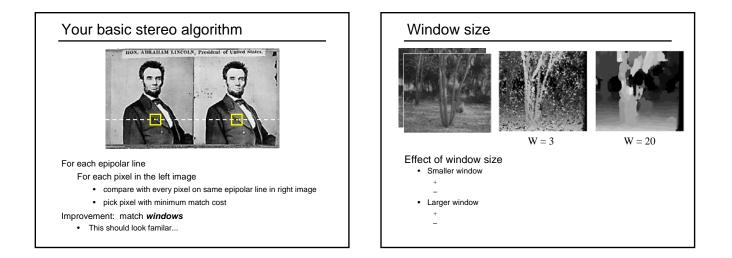












Stereo results

- Data from University of Tsukuba
- · Similar results on other images without ground truth



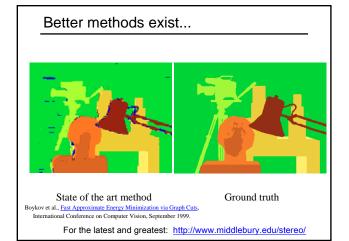


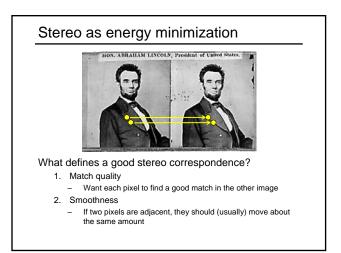
Scene

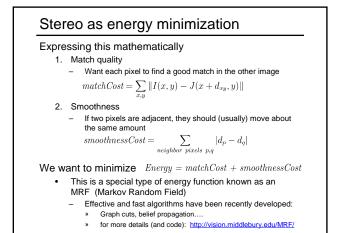
Ground truth

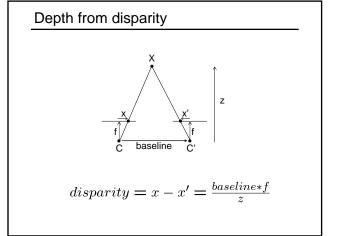
Results with window search

(best window size)









Video View Interpolation

http://research.microsoft.com/users/larryz/videoviewinterpolation.htm



Stereo reconstruction pipeline

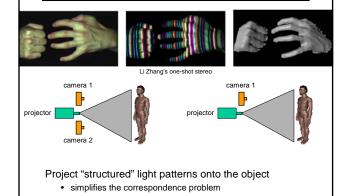
Steps

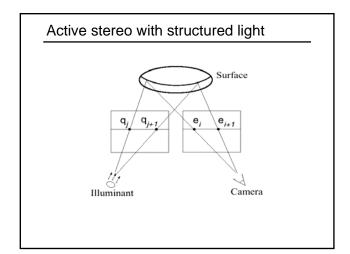
- Calibrate cameras
- Rectify images
- Compute disparity
- · Estimate depth

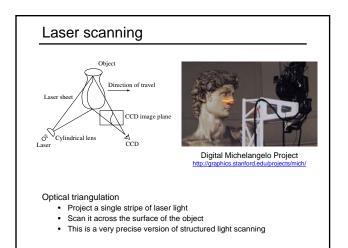
What will cause errors?

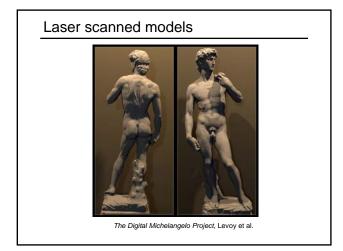
- Camera calibration errors
- Poor image resolution
- Occlusions
- · Violations of brightness constancy (specular reflections)
- Large motions
- Low-contrast image regions

Active stereo with structured light









Laser scanned models



The Digital Michelangelo Project, Levoy et al.

