#### Announcements

- Readings
   Setiz et al., A Comparison and Evaluation of Multi-View Stereo Reconstruction Algorithms, CVPR 2006, pp. 519-526

   > http://vision.middlebury.edu/mview/setiz\_mview\_cvpr06.pdf

## Multi-view Stereo





















# **Multibaseline Stereo**

## Basic Approach

- Choose a reference view
- Use your favorite stereo algorithm BUT
   > replace two-view SSD with SSSD over all baselines

# Limitations

- Only gives a depth map (not an "object model")
- Won't work for widely distributed views:















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dataset	accuracy	difference to best method
templeFull	0.42 mm	0.06 mm
templeRing	0.61 mm	0.09 mm
templeSparseRing	0.87 mm	0.12 mm







Furukawa, Curless, Seitz, Szeliski, CVPR 2010





