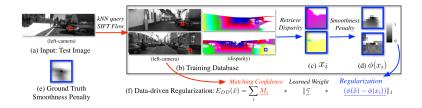
A Data-driven Regularization Model for Stereo and Flow D. Wei, C. Liu, and W. T. Freeman (THREEDV 2014)



- Resolving local ambiguity of the disparity or flow
 - by considering the semantic information
 - without explicit object modelling
- Data driven approach:
 - Transferring shape information from semantically matched patches in the database
 - Relative-relationship transfer (by subtracting disparity at the center pixel) rather than data-term transfer (absolute values)
 - Similar local shape information while absolute disparity values differ
- ► A standard MRF model using gradient descent for inference
- Comparable or better results on the KITTI stereo and flow datasets
 Improved results on the Sintel flow dataset