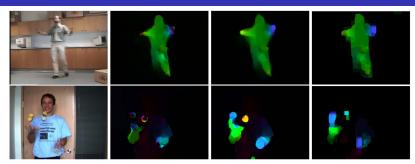
Large Displacement Optical Flow: Descriptor Matching in Variational Motion Estimation T. Brox, J. Malik (PAMI 2011)



- Coarse-to-fine warping for optical flow estimation
 - can handle large displacements
 - small objects moving fast are problematic
- ▶ Integration of rich descriptors into a variational formulation
 - Simple nearest neighbor search in coarse grid
 - Feature matches used as soft constraint in continuous approach
 - Continuation method: coarse-to-fine while reducing the importance of descriptor matches
- Quantitative results only on Middlebury but real world qualitative results