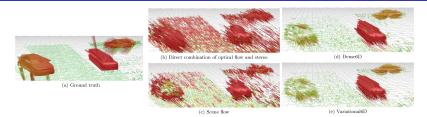
Dense, Robust, and Accurate Motion Field Estimation from Stereo Image Sequences in Real-Time C. Rabe, T. Müller, A. Wedel, and U. Franke (ECCV 2010)



- Estimating the three-dimensional motion vector field from stereo image sequences
- Combining variational optical flow with Kalman filtering for temporal smoothness
- Real-time with parallel implementation on a GPU and an FPGA
- Comparing
 - Differential motion field estimation from optical flow (Horn & Schunck) and stereo (SGM)
 - Variational scene flow from two frames
 - Kalman filtered method, using dense optical flow and stereo (Dense6D)
 - Filtered variational scene flow approach (Variational6D)
- Dense6D and Variational6D perform similarly, the latter is computationally more complex.