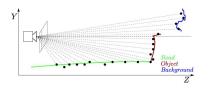
Efficient Representation of Traffic Scenes by Means of Dynamic Stixels D. Pfeiffer and U. Franke (IV 2010)







- Pose and motion estimation of moving obstacles in traffic scenes
- Stixel World is a compact and flexible representation but do not allow to infer motion information
- Dense disparity images are used for the free space computation and extraction of the static stixel representation
- Tracking of stixels using 6-Vision Kalman filter framework and dense optical flow
- Lateral as well as longitudinal motion is estimated for each stixel
- Simplifies grouping of stixels based on the motion as well as detection of moving obstacles
- Demonstration on recorded data