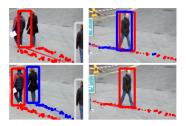
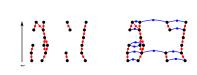
Detection- and Trajectory-Level Exclusion in Multiple Object Tracking A. Milan, K. Schindler, and S. Roth (CVPR 2013)





- Tracking multiple targets in crowded scenarios
- Modelling mutual exclusion between distinct targets both at the data association and at the trajectory level
- Using a mixed discrete-continuous CRF
 - Exclusion between conflicting observations with supermodular pairwise terms
 - Exclusion between trajectories with pairwise global label costs
- A statistical analysis of ground-truth trajectories for modelling data fidelity, target dynamics, and inter-target occlusion
- An expansion move-based optimization scheme
- Evaluated on the PETS S2.L1, and four more sequences from PETS benchmark, TUD-Stadtmitte, and Bahnhof, Sunny Day sequences from ETH Mobile Scene dataset