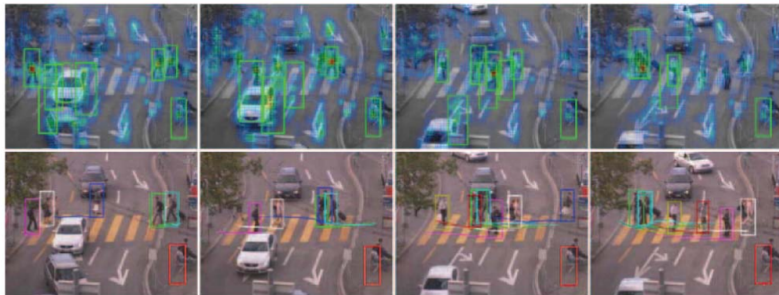


Online Multiperson Tracking-by-Detection from a Single, Uncalibrated Camera

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- ▶ Automatic detection and tracking of a variable number of persons in complex scenes using a monocular, potentially moving, uncalibrated camera
- ▶ Multi-person tracking-by-detection in a particle filtering framework using unreliable information from
 - ▶ final high-confidence detections
 - ▶ continuous confidence of pedestrian detectors
 - ▶ online-trained, instance-specific classifiers as a graded observation model
- ▶ Good performance on typical surveillance videos, webcam footage, or sports sequences
- ▶ Datasets: ETHZ Central, TUD Campus and TUD Crossing, i-Lids AB, UBC Hockey, PETS09 S2.L1-S2.L3, ETHZ Standing, and a new Soccer dataset