

Camera Pre-Processing



Run Optical Flow



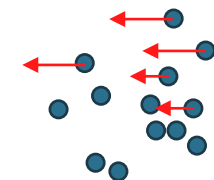
Consecutive camera images



Project to camera



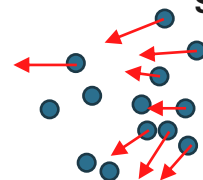
LiDAR point cloud



Point-wise tangential velocity estimates

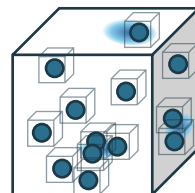


Sensor Fusion

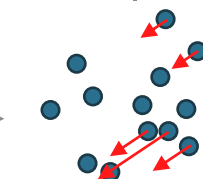


Point cloud with full velocities

Project to velocity cube and context boxes

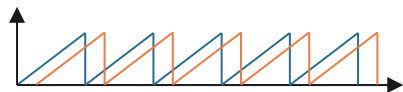


Assign radial velocities from doppler context

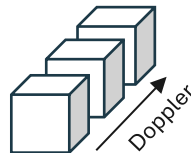


Point-wise radial velocity estimates

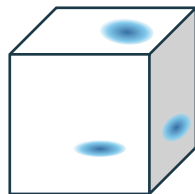
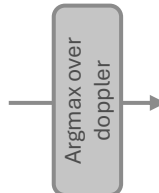
RADAR Pre-Processing



RADAR ADC Data



RADAR Cube



Velocity Cube