

Motion Tracking Sub-Task Taxonomy

Object Detection

Manual

Background Subtraction

Optical Flow

Frame Differencing

Approximate Median

Running Gaussian
Average

Gaussian Mixtures
Models

Object Classification

Shape Based

Colour Based

Texture Based

Motion Based

Object Tracking

Point Tracking

Kalman Filtering

Particle Filtering

Multiple-Hypothesis
Tracking

Kernel Tracking

Simple Template
Matching

Mean-Shift

Silhouette Tracking

Contour Matching

Shape Matching