

LIST OF SYMBOLS

P_r	Precision
R_e	Recall
C_m	Centre of mass
D	Distance Signal
ξ^2	Variance
A	Binary silhouette
τ	Updating speed
ρ	Counter
α	Smoothing constant
V	Optical flow
H_a	Spatial boundary
g_c	Centre pixel of background subtraction image
g_p	Neighbourhood pixel of background subtraction image
O	Observation Sequence
Π	Initial State probability
A	Transition probability matrix
B	Emission probabilities
$D\text{-Score}$	Posterior probability scores for Dynamic stream
$DF\text{-Score}$	Posterior probability scores for Front Depth Stream
$DS\text{-Score}$	Posterior probability scores for Side Depth Stream
$DT\text{-score}$	Posterior probability scores for Top Depth Stream
$\psi(F_T)$	Feature Vector
$S(t d)$	Ranking Function

d^* Single vector generated from frame sequence using rank pooling