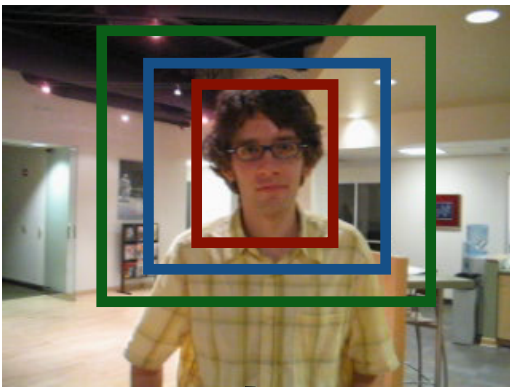
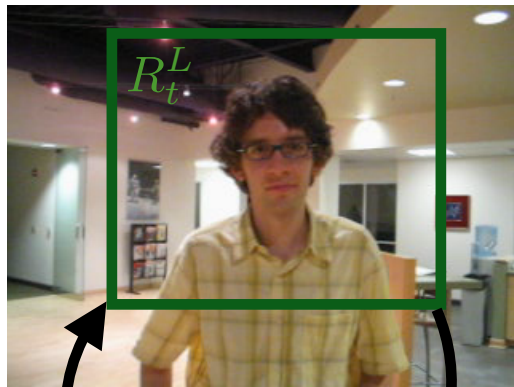


Initialization
Frame **1**



Particle Filter
Initialization

Translation Estimation
Frame **2** and Frame **3**



Particle Filter
Prior Update

Particle Filter
Posterior
Update

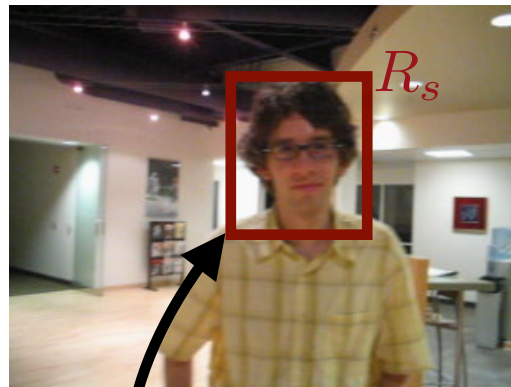
Translation Estimation
Frame **4** and Frame **5**



Particle Filter
Prior Update

Particle Filter
Posterior
Update

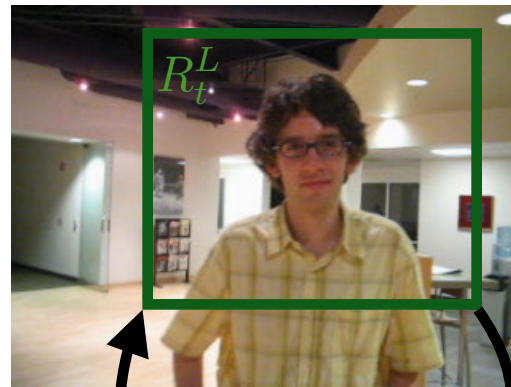
Scale Estimation
Frame $n+1 = 6$



Particle Filter
Prior Update

Particle Filter
Posterior
Update

Translation Estimation
Frame $n+2 = 7$



Particle Filter
Prior Update

Particle Filter
Posterior
Update