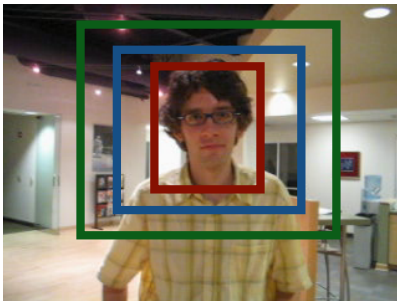


Initialization

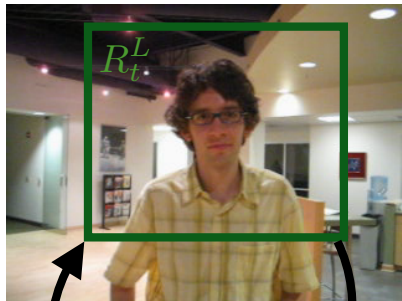
Frame **1**



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**

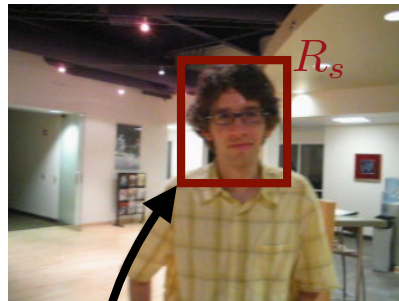


Particle Filter
Prior Update

Particle Filter
Posterior
Update

Scale Estimation

Frame $n+1 = 6$

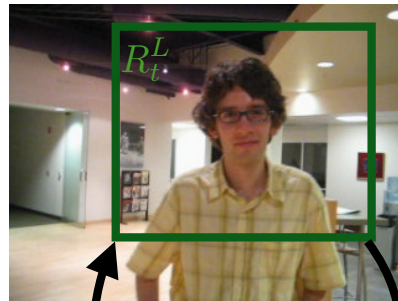


Particle Filter
Prior Update

Particle Filter
Posterior
Update

Translation Estimation

Frame $n+2 = 7$



Particle Filter
Prior Update

Particle Filter
Posterior
Update