

## Mean Shift between frames $\mathbf{f}_k$ and $\mathbf{f}_{k+1}$

### Given:

- The location of object to track,  $\mathbf{x}_0$  in  $\mathbf{f}_k$
- The target pdf of object to track,  $\hat{q}(\mathbf{x}_0)$  at location  $\mathbf{x}_0$  in  $\mathbf{f}_k$
- The shift threshold,  $\epsilon$

### Mean Shift Loop

