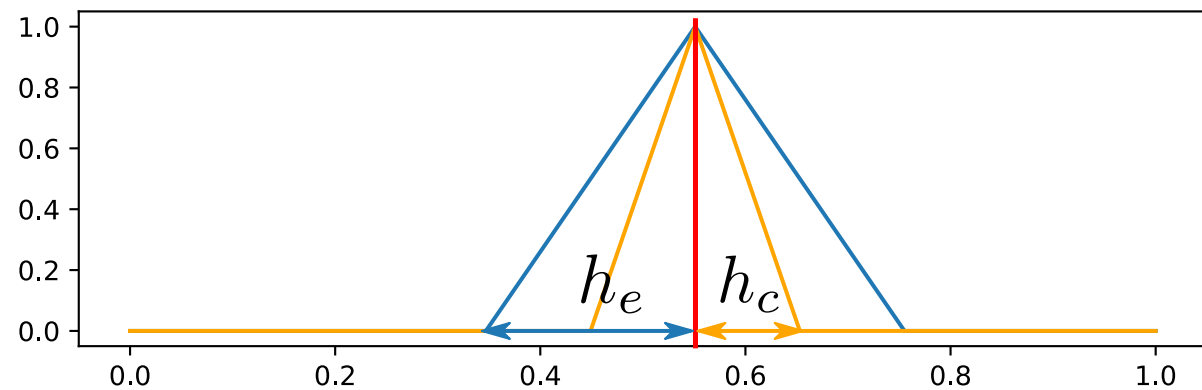
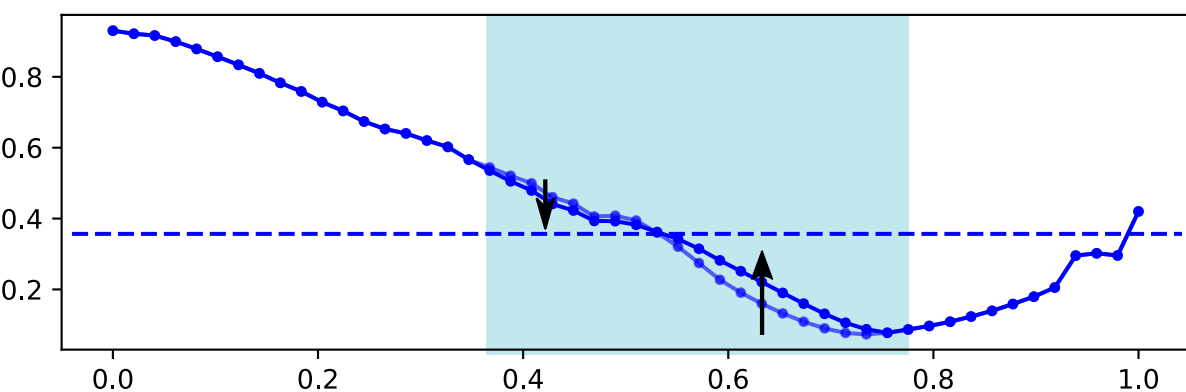
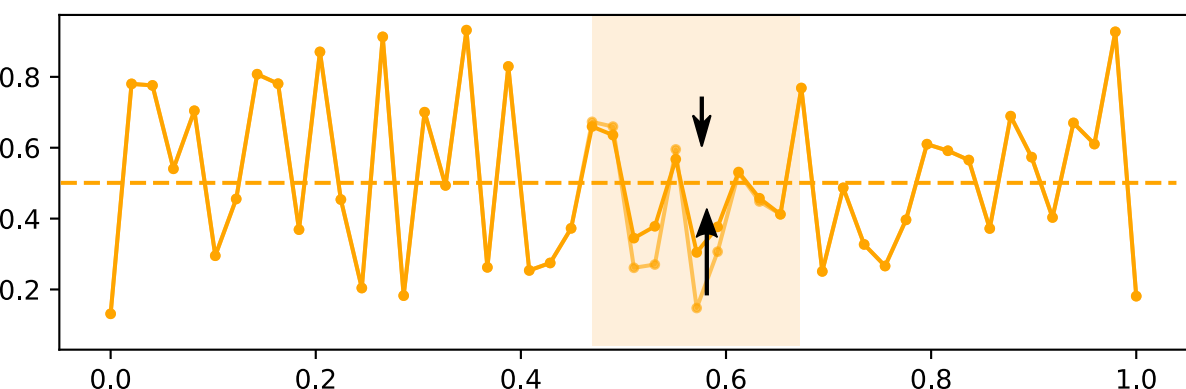

 $a_g^{(1)}$

 $H_c(\Pi^{(1)}, p^{(1)})$
 $H_e(\Pi^{(1)}, p^{(1)})$

 $\omega_e^{(1)}(p, t)$

 $\omega_e^{(1)}(p, t+1)$

 $\omega_c^{(1)}(p, t)$

 $\omega_c^{(1)}(p, t+1)$