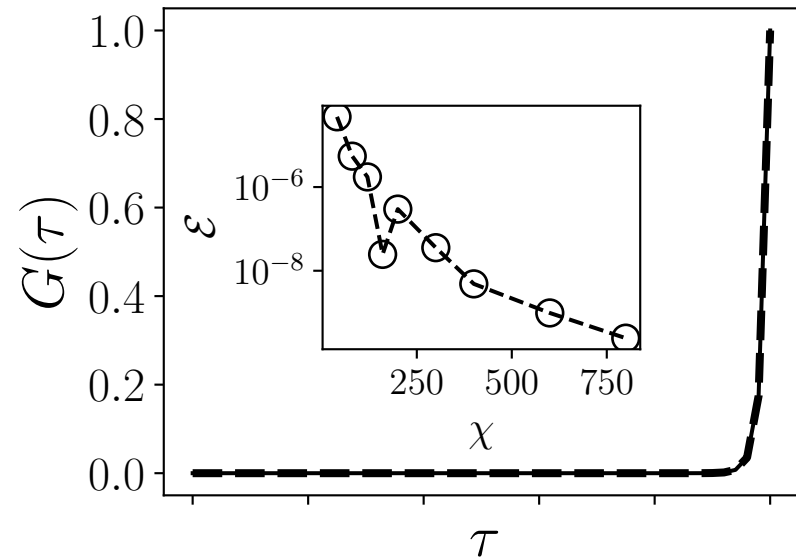
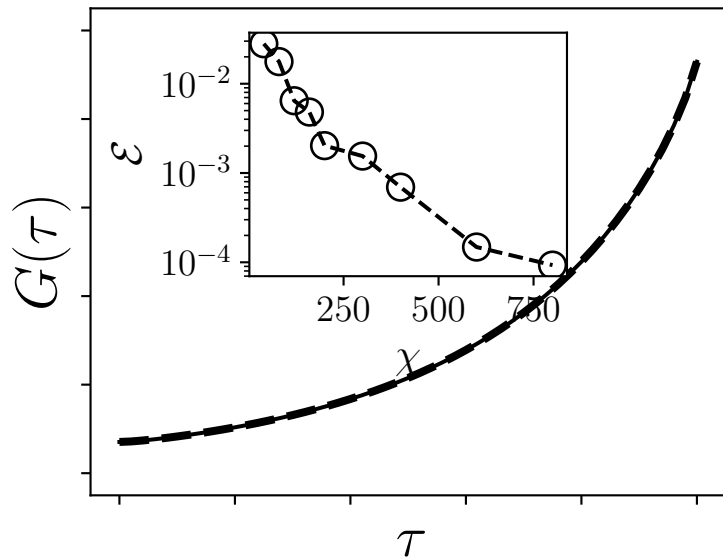


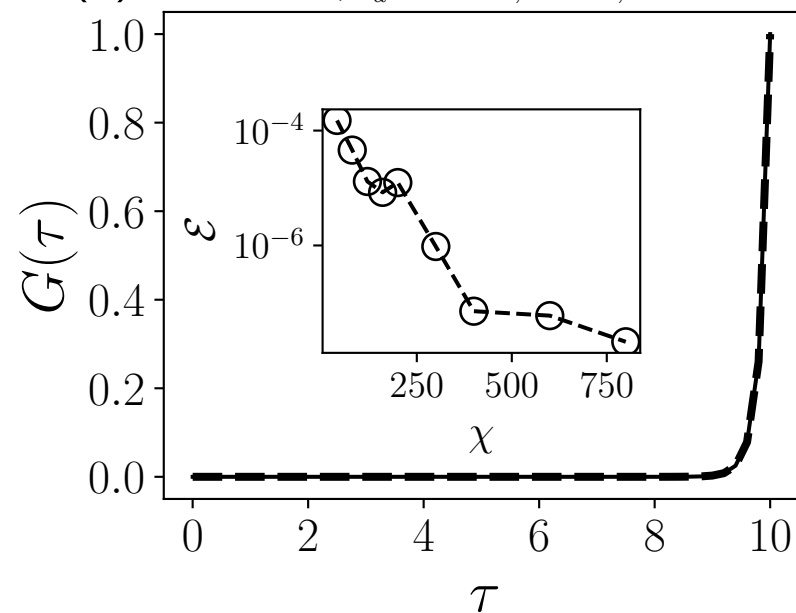
(a)  $U = 1, \epsilon_d = -0.5, d = 1, \alpha = 1$



(b)  $U = 1, \epsilon_d = -0.5, d = 1, \alpha = 0.1$



(c)  $U = 5, \epsilon_d = -2.5, d = 1, \alpha = 1$



(d)  $U = 10, \epsilon_d = -5.0, d = 1, \alpha = 1$

