$T_max=10$ , dT=0.001, sigma0=1,  $x_mean0=0.0$ , rho0=2.0, C=0.5,  $b_r=1$ ,  $d_r=1$ ,  $d_e=2$ , sigma=0.01, tau=2, tau=2, tau=2, tau=2, tau=2, tau=3, tau=4, tau=4

