T_max=7, dT=0.0005, sigma0=0.01, x_mean0=0.0, C=0.5, b_r=1, d_r=1, d_e=2, beta=0, mu=1, sigma=1, tau=0.98, X_min=-0.5, X_max=1.5, dX=0.05, eps=0.01,