

$T_{\max}=1000$, $dT=0.01$, $K=1000$, $N_0=1000$,
 $\sigma_0=0.1$, $x_{\text{mean}0}=0.0$, $C=0.5$, $b_r=1$, $d_r=1$,
 $d_e=2$, $\beta=0$, $\mu=1$, $\sigma=0.1$, $\tau=0.44999999999999996$, $X_{\min}=-1$,
 $X_{\max}=2.5$, $dX=0.01$, $\epsilon=1$, $\rho_0=0.004$

