$$m_{1_1}=2.0,\,m_{2_1}=0.2,\,m_{1_2}=2.0,\,m_{2_2}=0.2\,\,,\,L_{1_1}=1.0,\,L_{2_1}=1.0,\,L_{1_2}=1.0,\,L_{2_2}=1.0\\ \theta_{1_1}=\pi/5,\,\omega_{1_1}=0.35,\,\theta_{2_1}=0.0,\,\omega_{2_1}=0.0,\,\theta_{1_2}=\pi/10,\,\omega_{1_2}=0.15,\,\theta_{2_2}=0.0,\,\omega_{2_2}=0.0\\ K=0.3,\,\sigma_T=0.001$$







