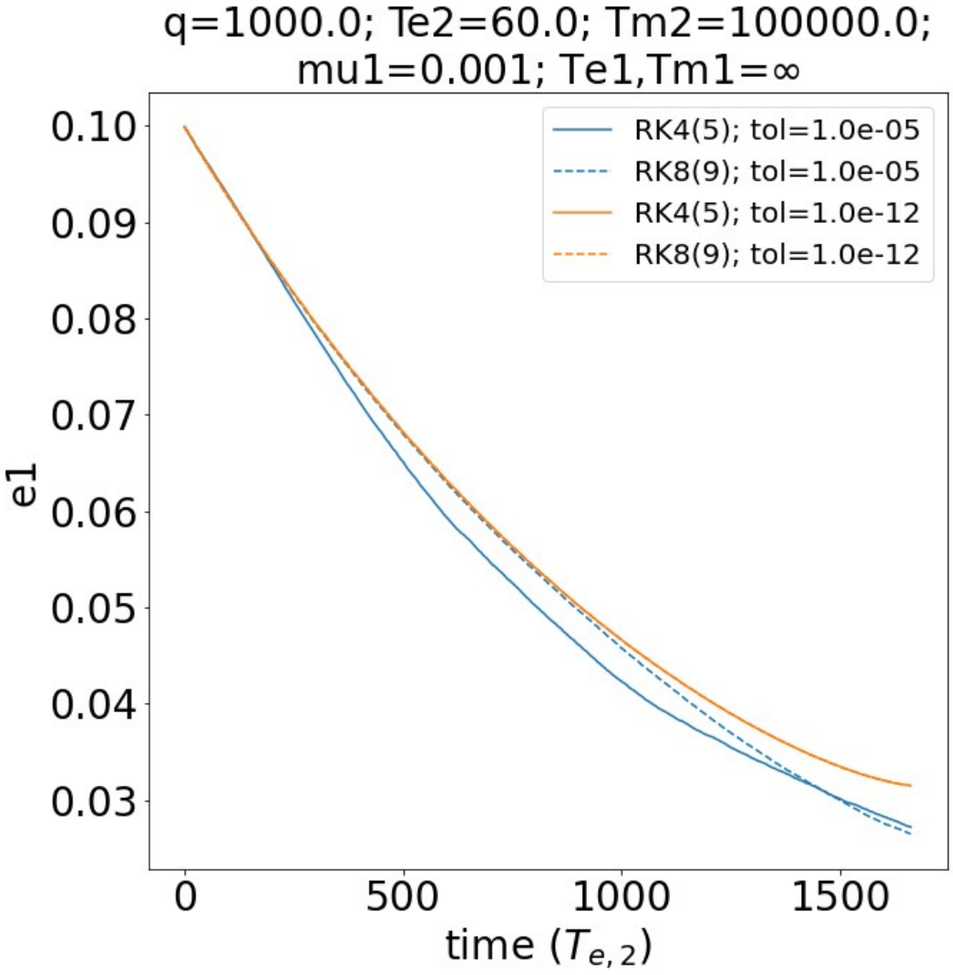
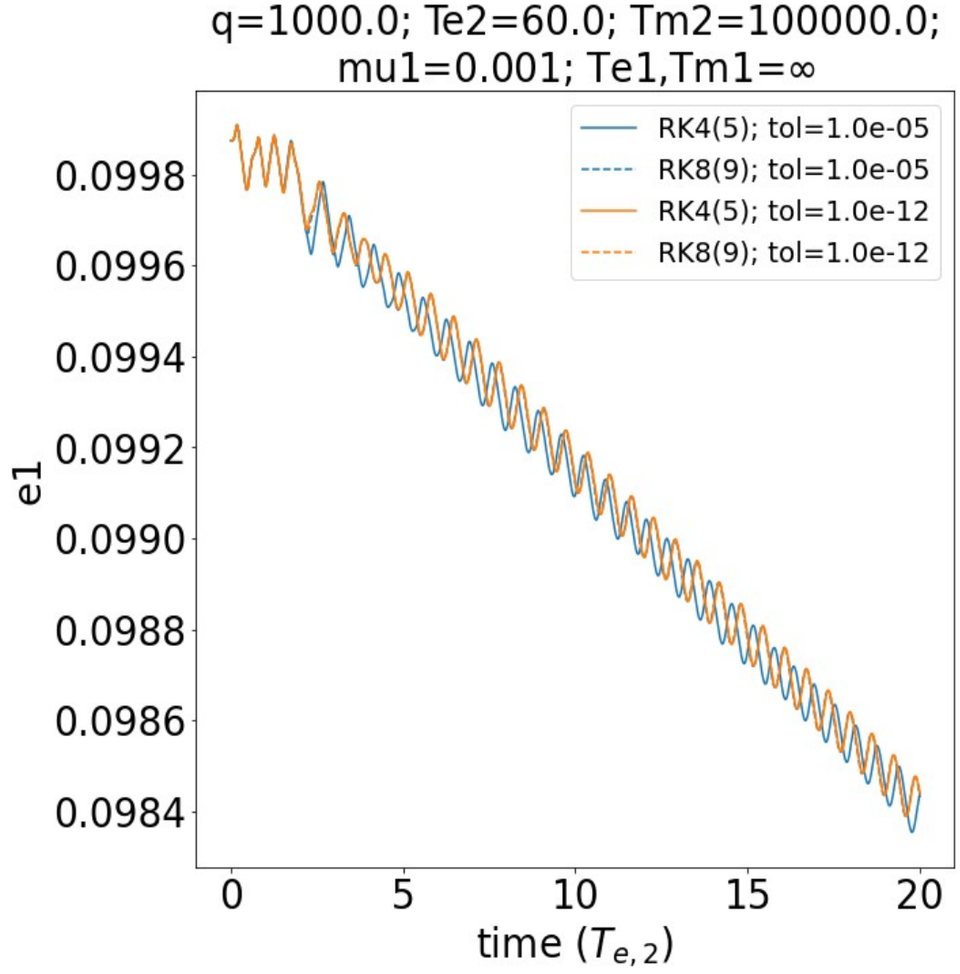
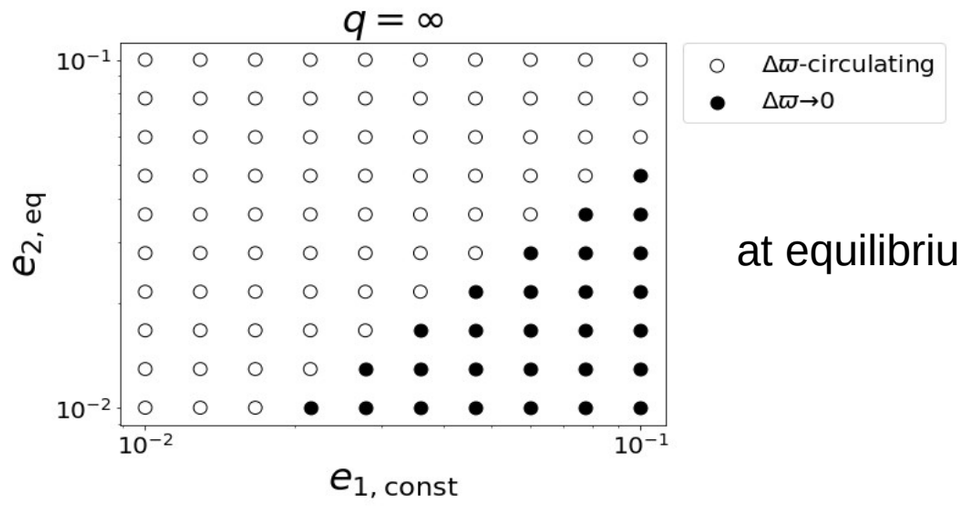
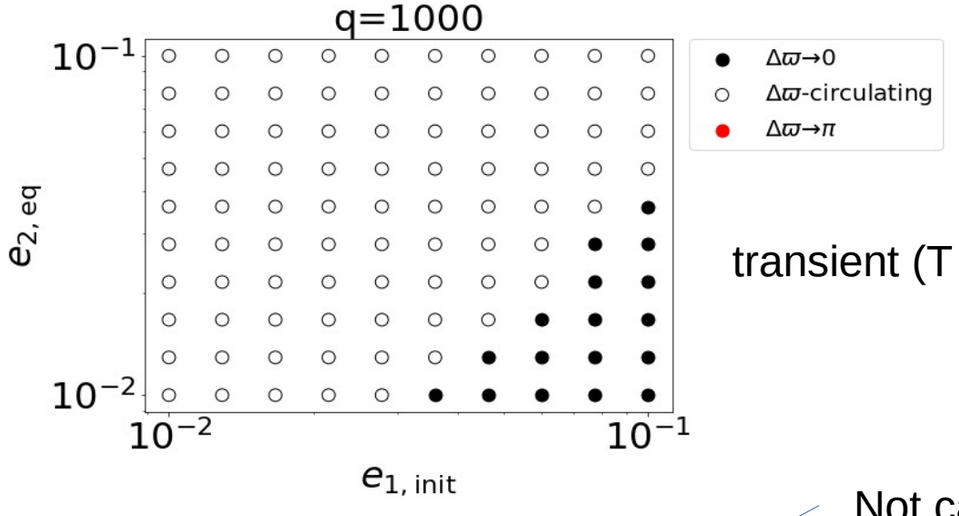

q=1000.0; Te2=60.0; Tm2=100000.0;
mu1=0.001; Te1,Tm1=∞
RK4(5); tol=1.0e-05
RK8(9); tol=1.0e-05
RK4(5); tol=1.0e-12
RK8(9); tol=1.0e-12
e1
time ($T_{e,2}$)


q=1000.0; Te2=60.0; Tm2=100000.0;
mu1=0.001; Te1,Tm1=∞
RK4(5); tol=1.0e-05
RK8(9); tol=1.0e-05
RK4(5); tol=1.0e-12
RK8(9); tol=1.0e-12
e1
time ($T_{e,2}$)

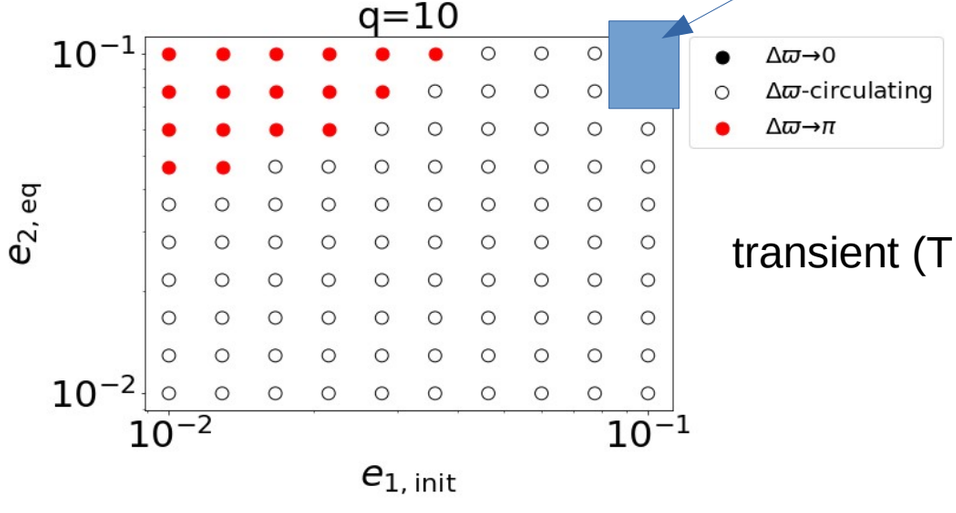


at equilibrium (T >> Te2)



transient (T = 20*Te2)

Not captured



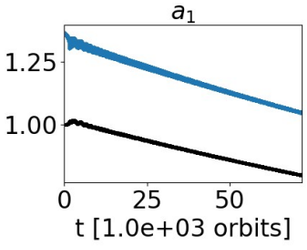
transient (T = 20*Te2)

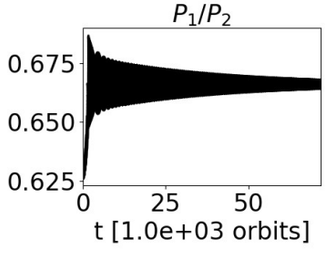
Try to find analytical/numerical equilibrium if e_1d > 0?

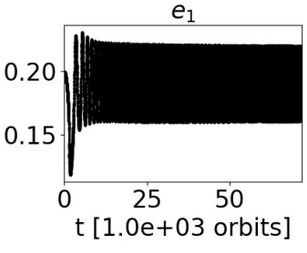
K2-19 b & c system

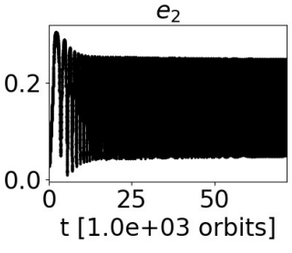
With secular terms

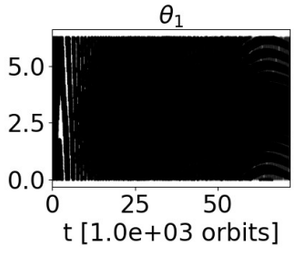
q3.000-Te1-1000.000-Te2-7196.857.npz
T=7.2e+04 q=3.0 $\mu_1 =$ 1.11e-04
Tm1=-1.0e+06 Te1=1.0e+03
Tm2=-1.0e+05 Te2=7.2e+03
$e_{1,d}$ = 0.200 $e_{2,d}$ = 0.000

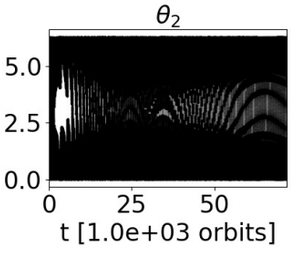


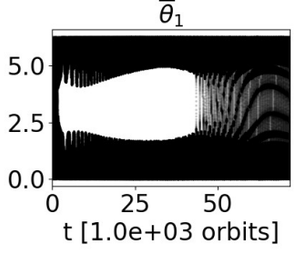


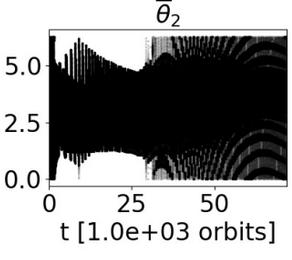


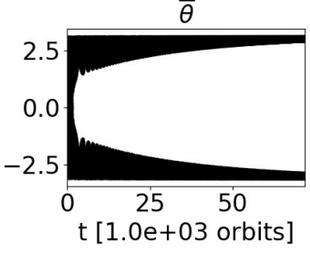


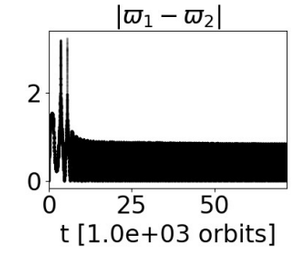












Without secular terms

q3.000-Te1-1000.000-Te2-7196.857.npz
T=7.2e+04 q=3.0 $\mu_1 =$ 1.11e-04
Tm1=-1.0e+06 Te1=1.0e+03
Tm2=-1.0e+05 Te2=7.2e+03
$e_{1,d}$ = 0.200 $e_{2,d}$ = 0.000