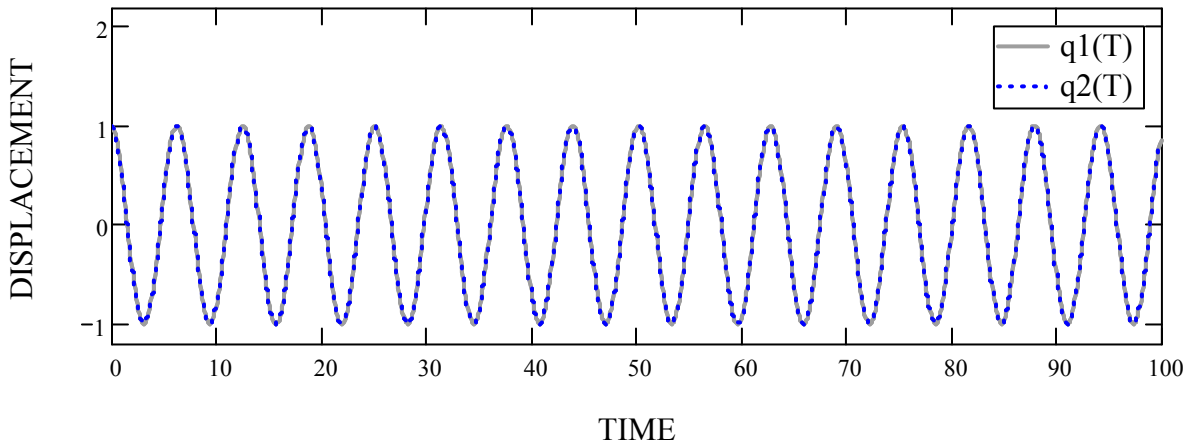
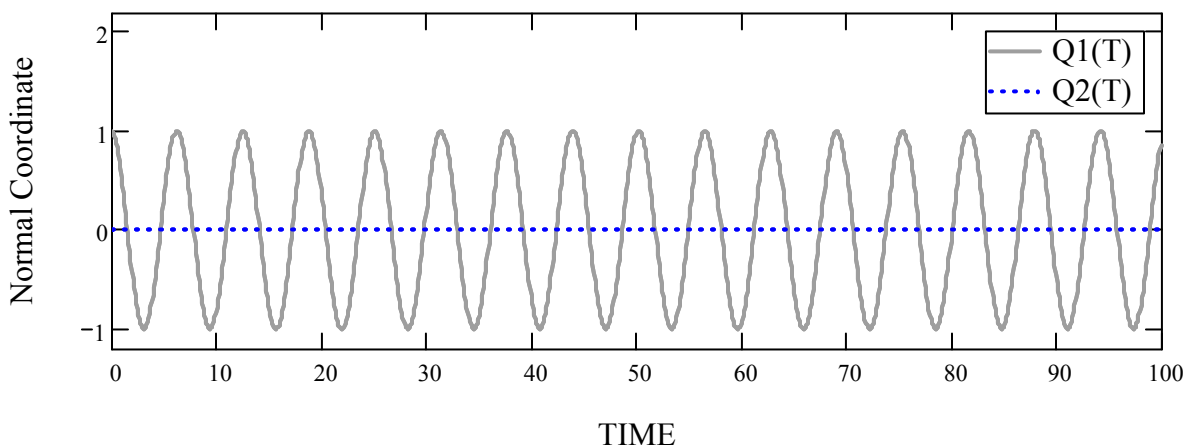
Two Coupled Oscillators
First Normal Mode Excited

System parameters $k = 1$ $k' = 1$ $m := 1$

Initial conditions $q_{1in} := 1$ $q_{2in} := 1$ $qdot_{1in} := 0$ $qdot_{2in} := 0$

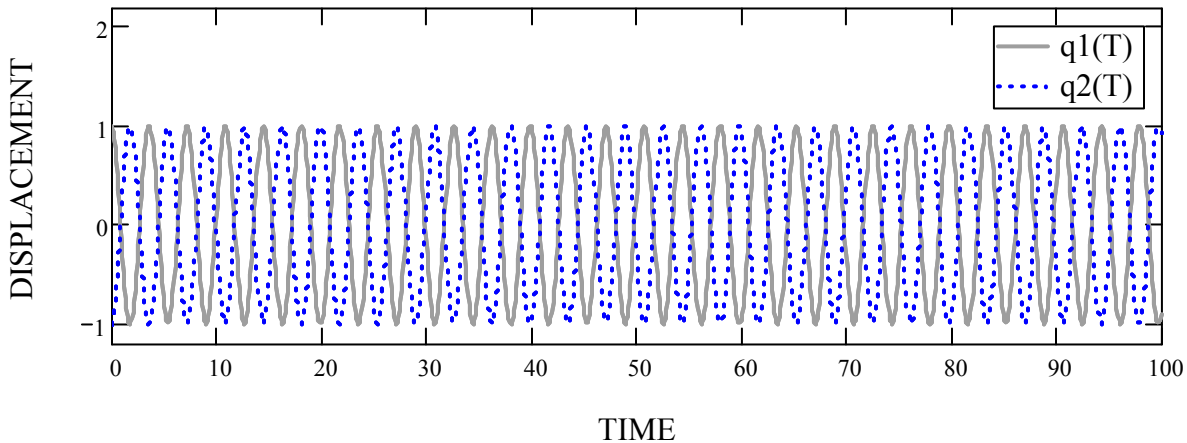


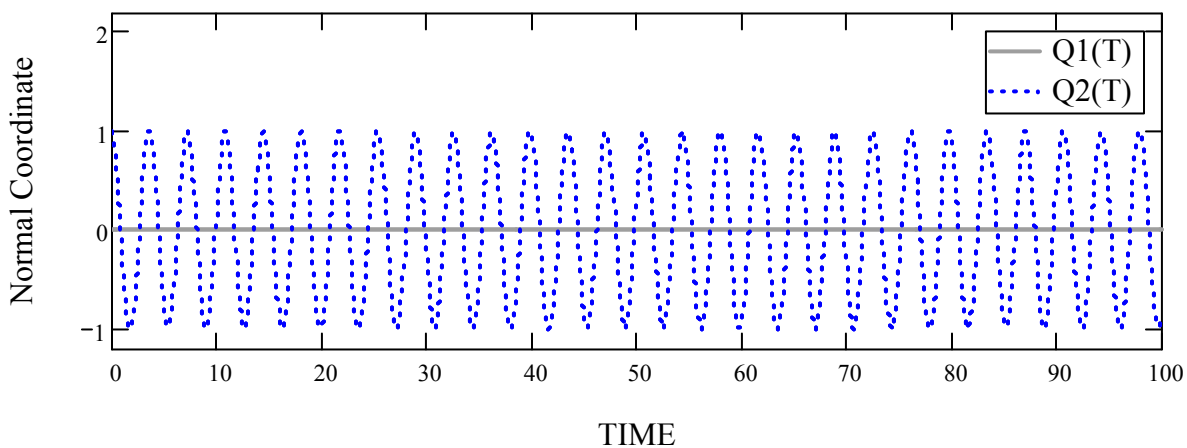


Two Coupled Oscillators
Second Normal Mode Excited

System parameters $k = 1$ $k' = 1$ $m := 1$

Initial conditions $q_{1in} := 1$ $q_{2in} := -1$ $qdot_{1in} := 0$ $qdot_{2in} := 0$

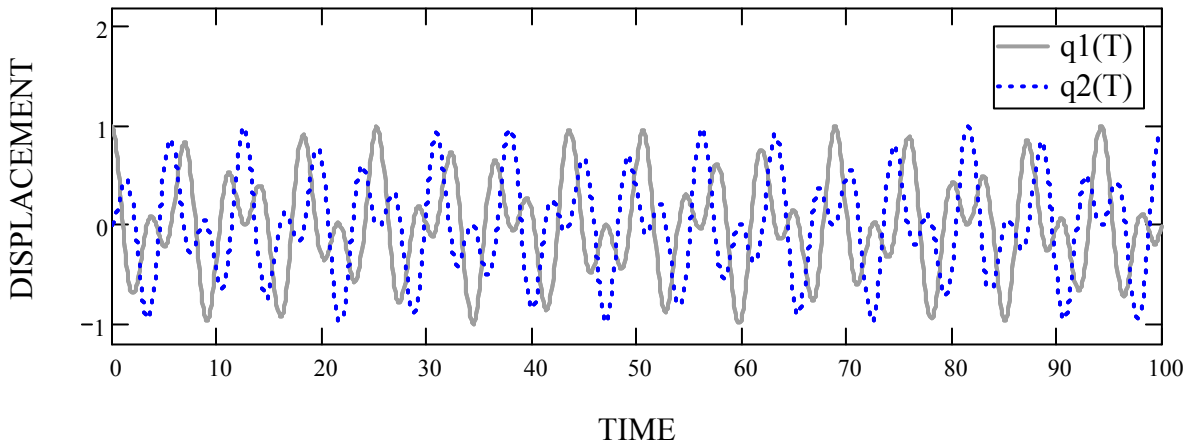


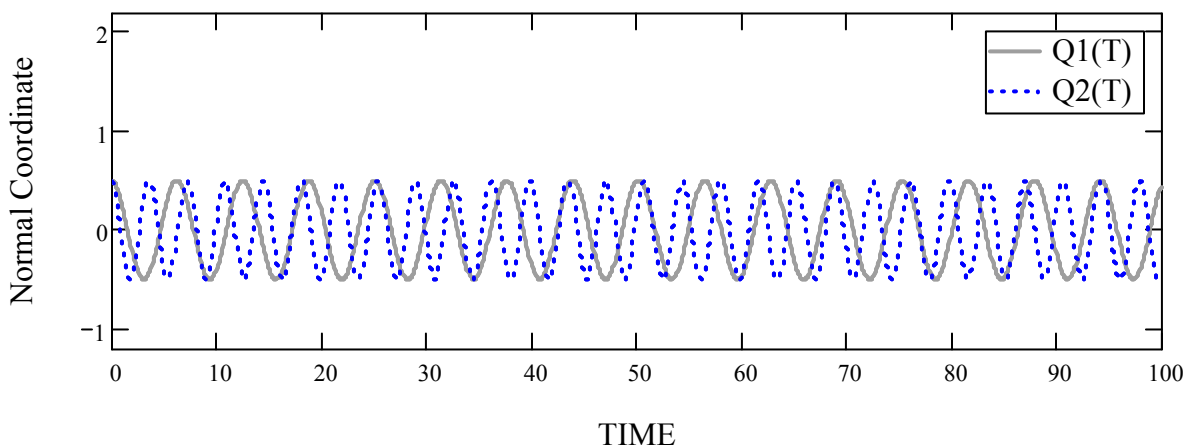


Two Coupled Oscillators
Strong Coupling (k' ≈ k)

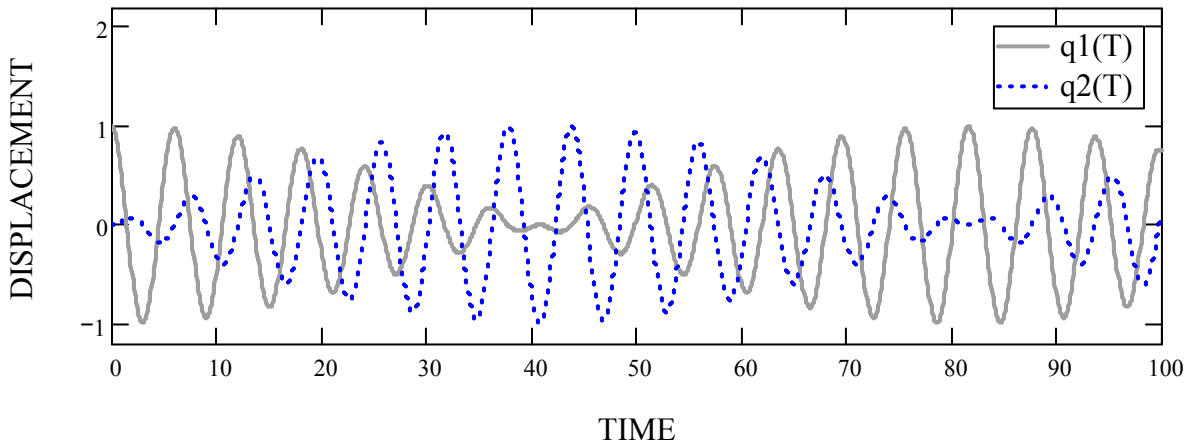
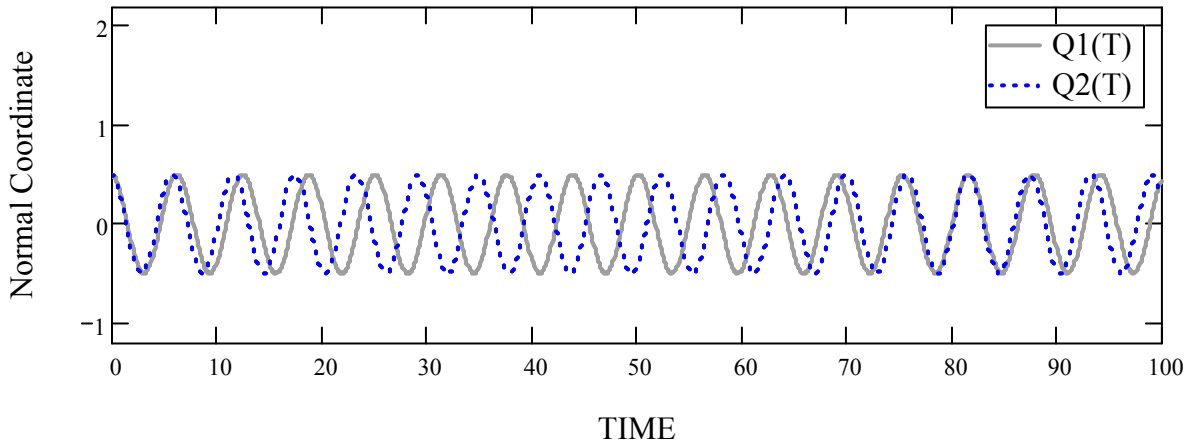
System parameters $k = 1$ $k' = 1$ $m := 1$

Initial conditions $q_{1in} := 1$ $q_{2in} := 0$ $qdot_{1in} := 0$ $qdot_{2in} := 0$





Two Coupled Oscillators
Weak Coupling (k' << k)

System parameters $k = 1$ $k' = 0.08$ $m := 1$

Initial conditions $q_{1in} := 1$ $q_{2in} := 0$ $qdot_{1in} := 0$ $qdot_{2in} := 0$