

# RBE595 - Homework Set 7

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## Exercise1: Coupled Oscillators

In my implementation of the coupled oscillators, irrespective of the K value, the system always synchronized and flashed together. Only thing that changed was the time to reach the equilibrium.

k value	time (min:sec)
0.1	1:28
0.5	0:45
0.9	0:42

Table 1: effect of k value on time to reach the equilibrium

As the simulation reaches equilibrium irrespective of value of k, no other conclusion could be drawn