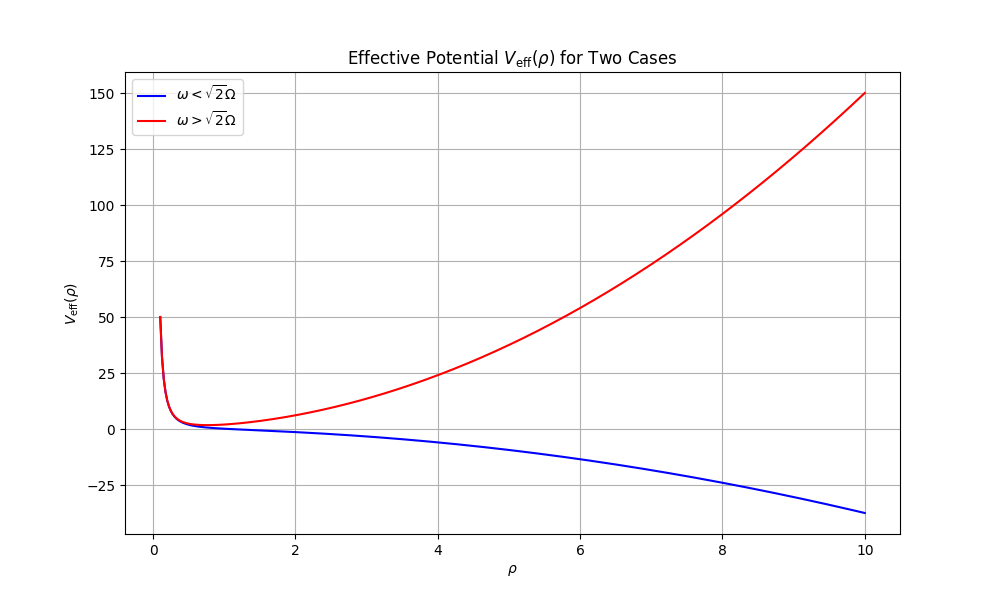
Problem 1 Plotting



We can see clearly that in the case of , there is a local minimum in the effective potential, so it can form an efficient trap.

On the other hand, for , there is not a local minimum in the effective potential, so it cannot form an efficient trap.