

Financial Engineering Lab 2

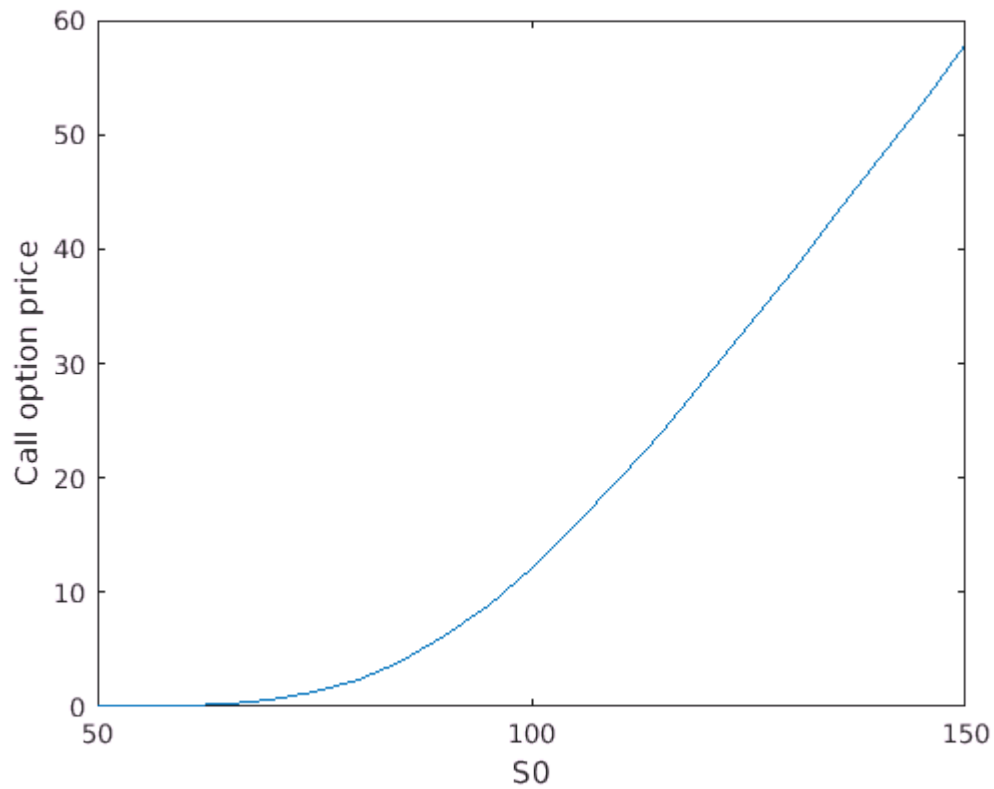
Q1

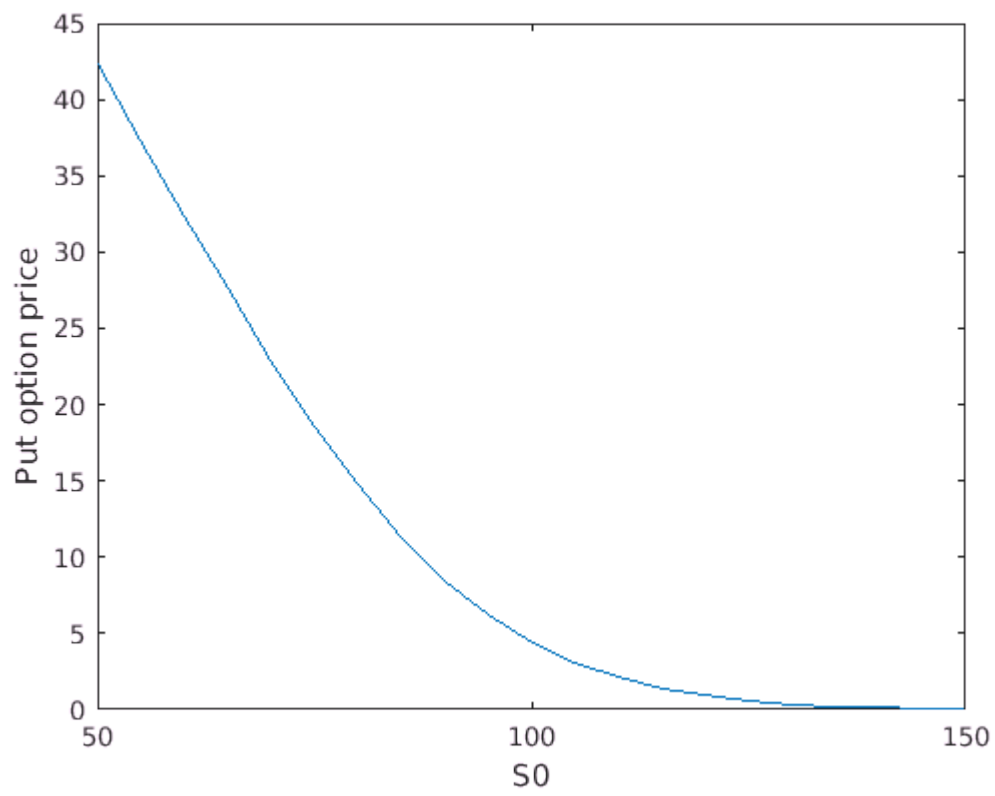
SET A

The call price for the given Values is 12.085380

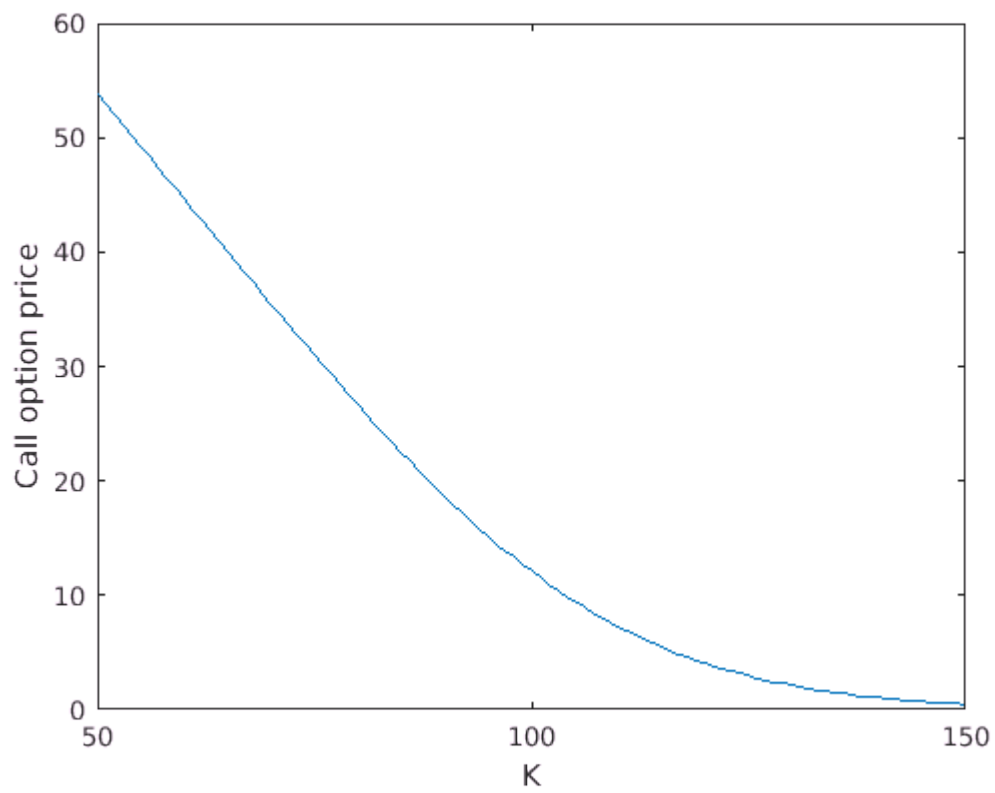
The put price for the given Values is 4.397015

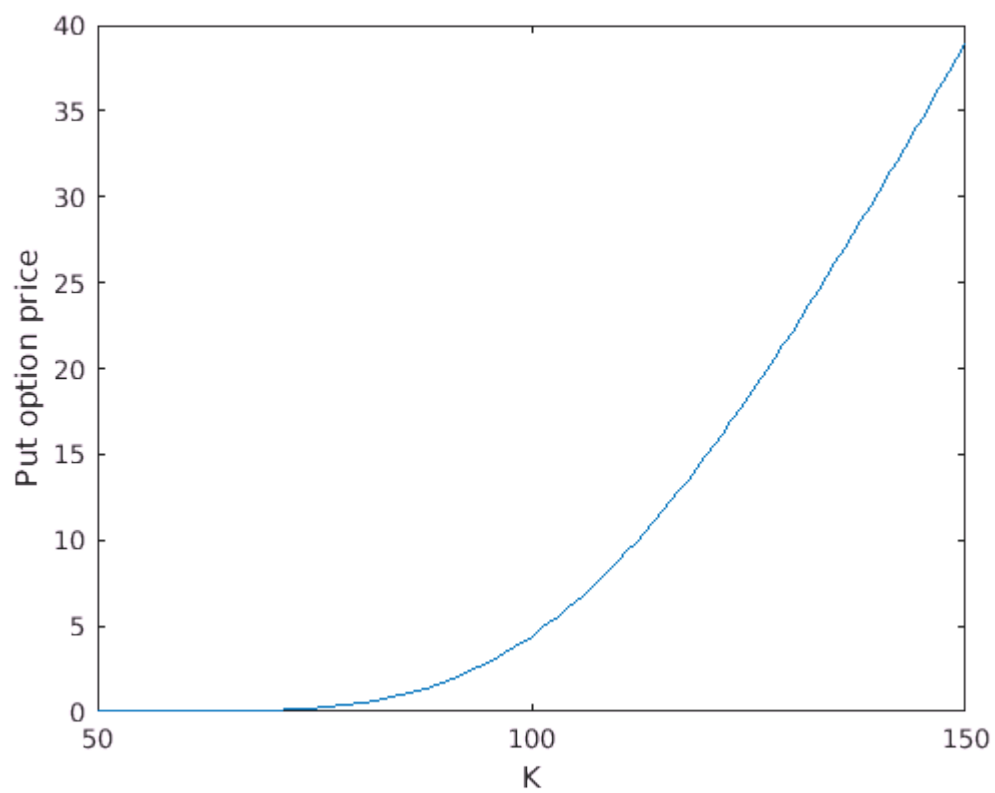
Varying S_0



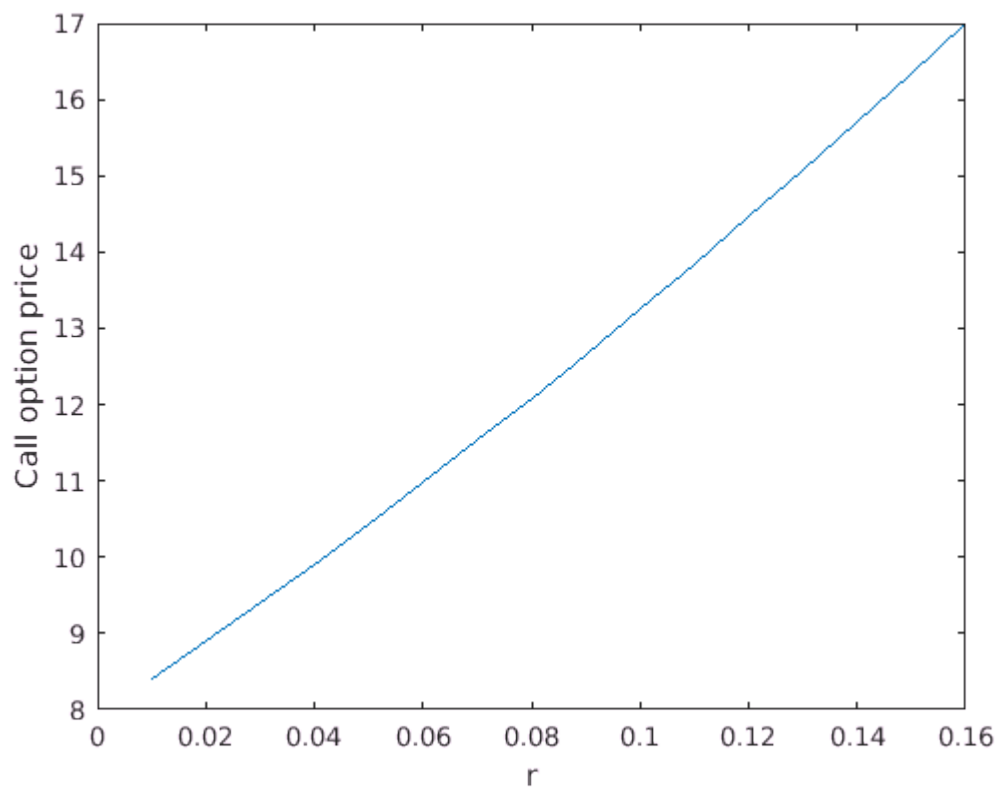


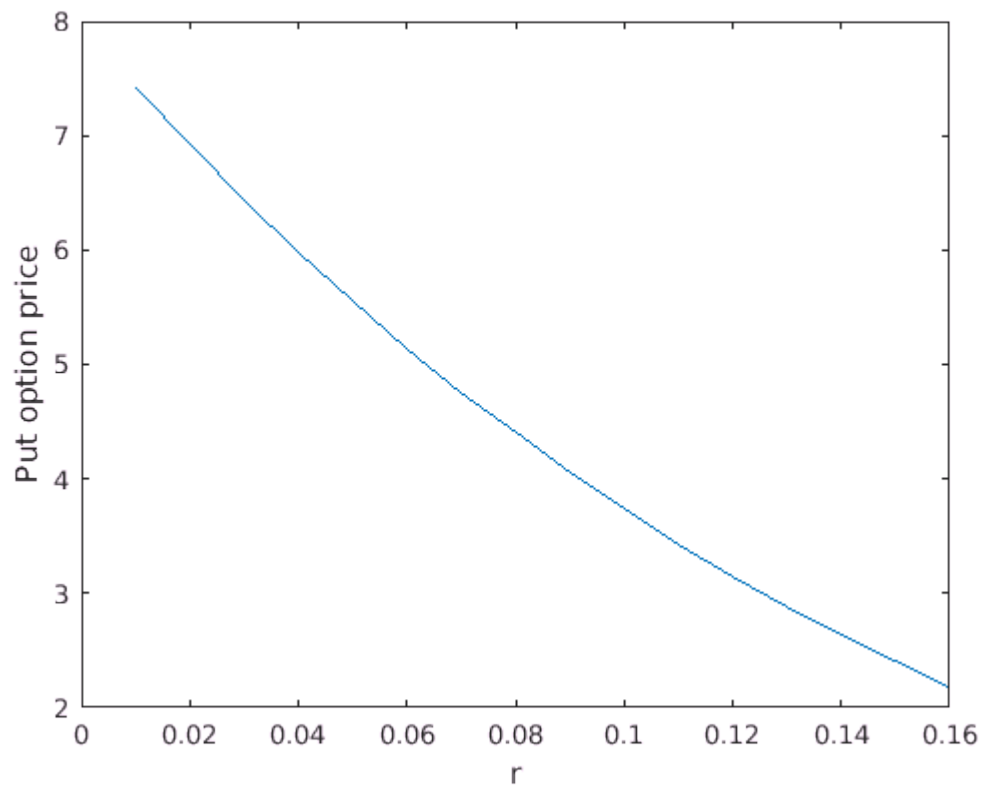
Varying K



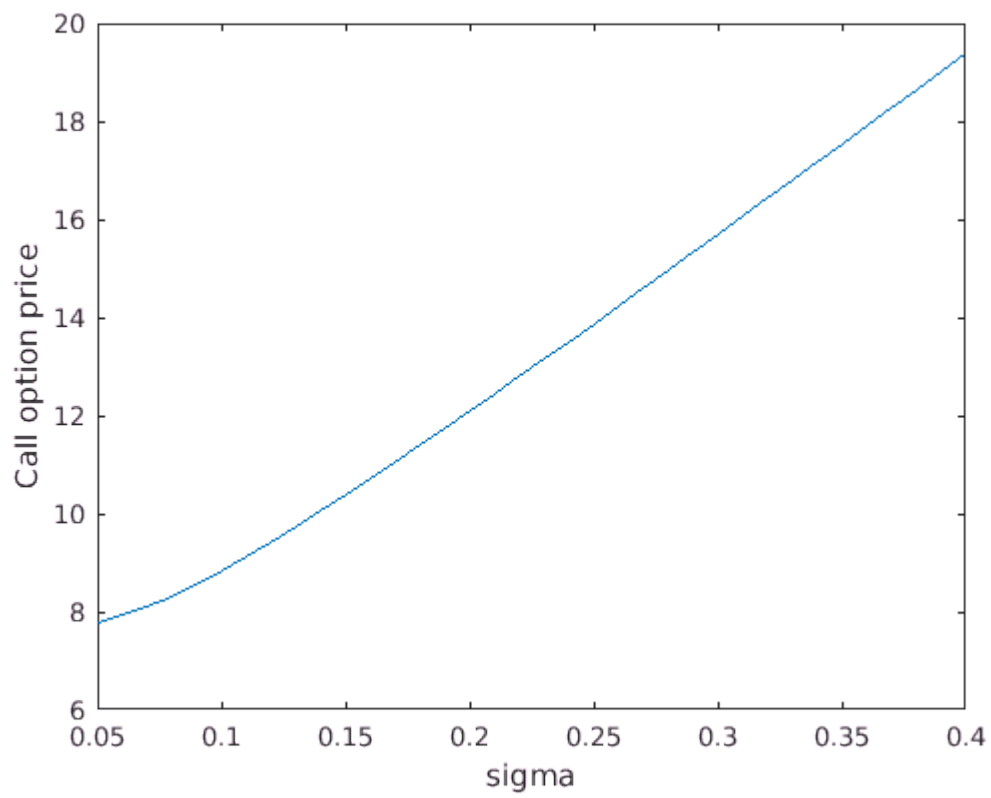


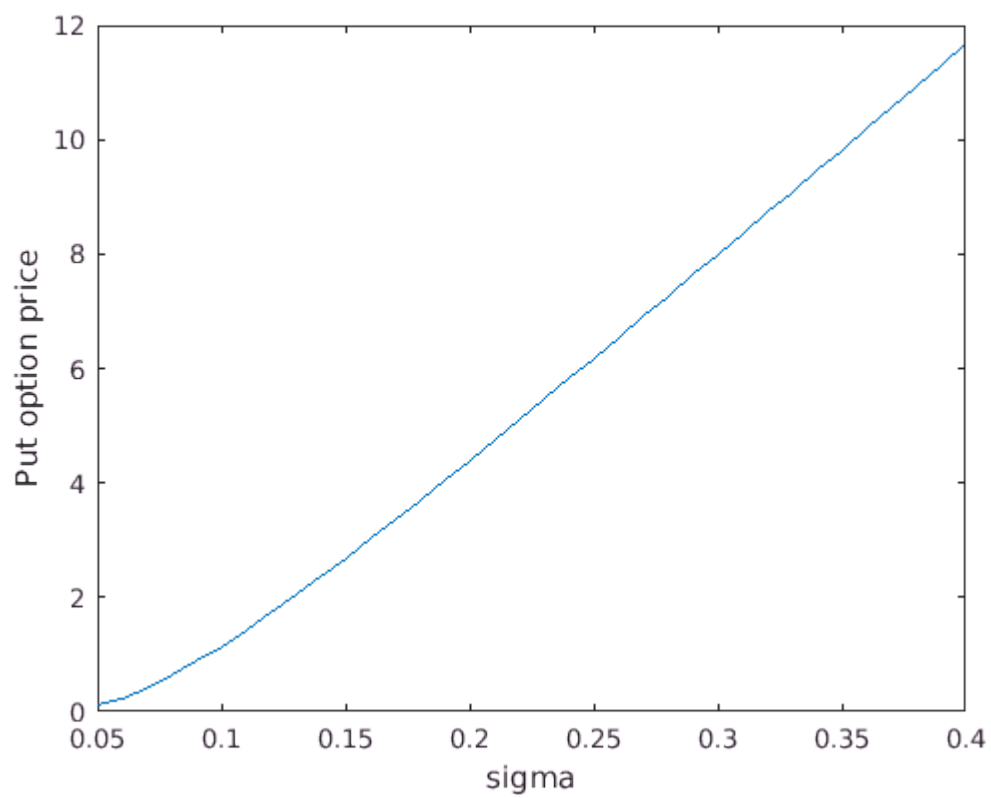
Varying r



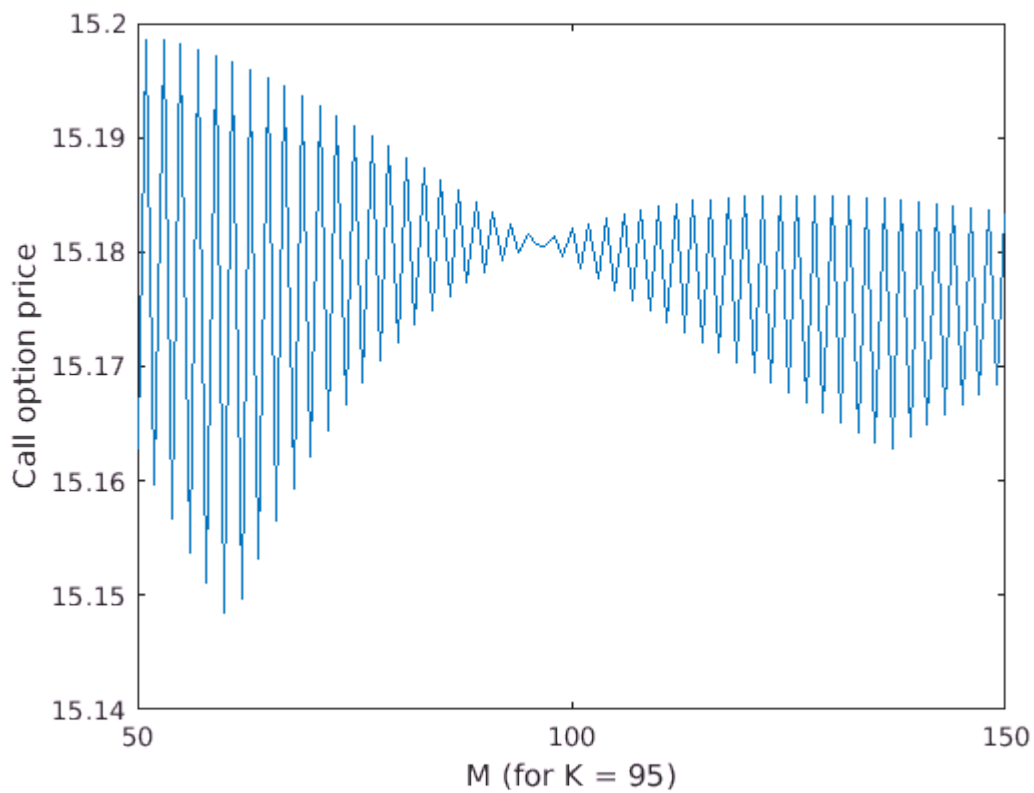


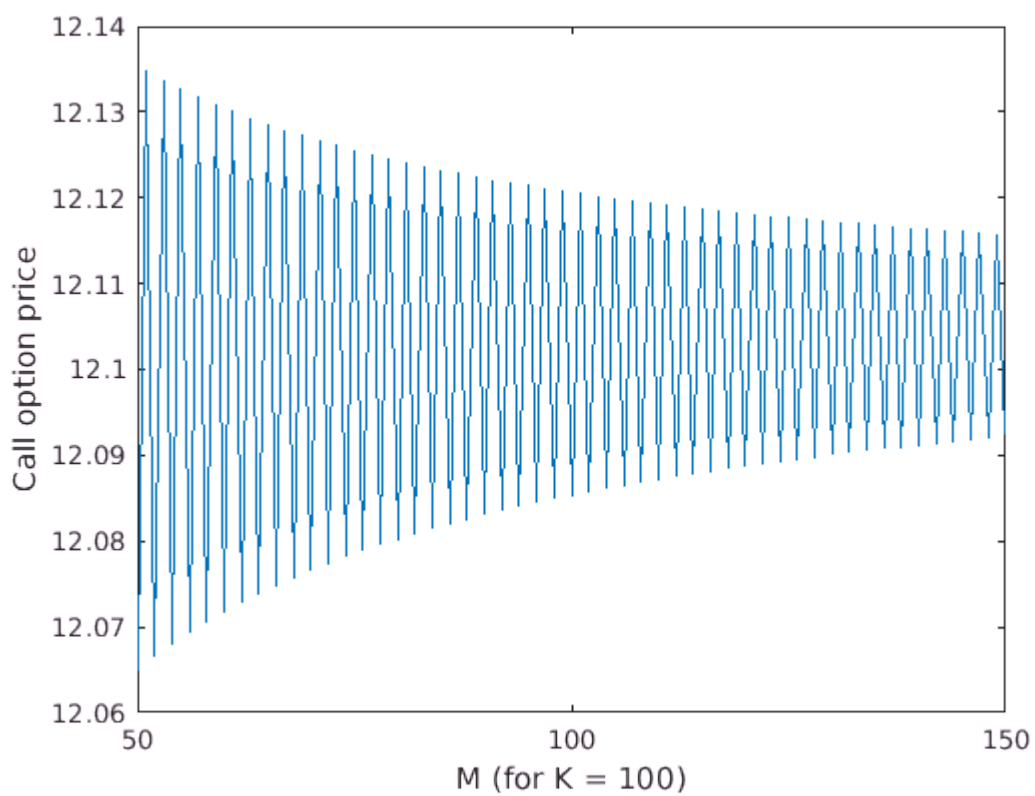
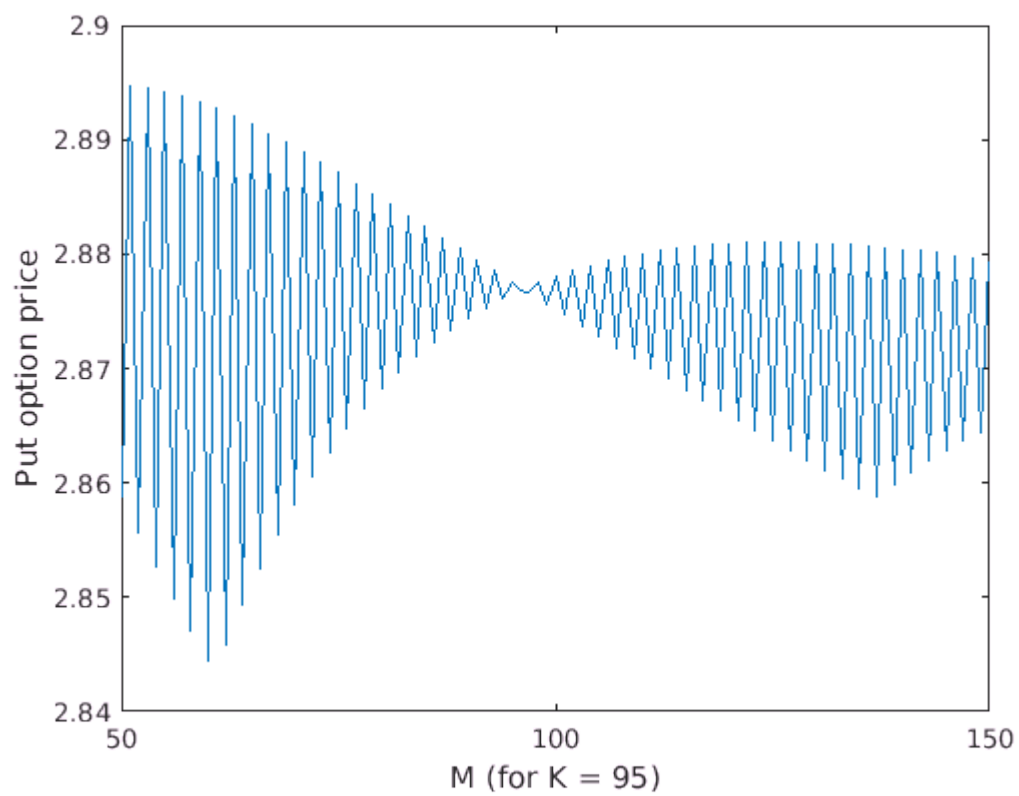
Varying sigma

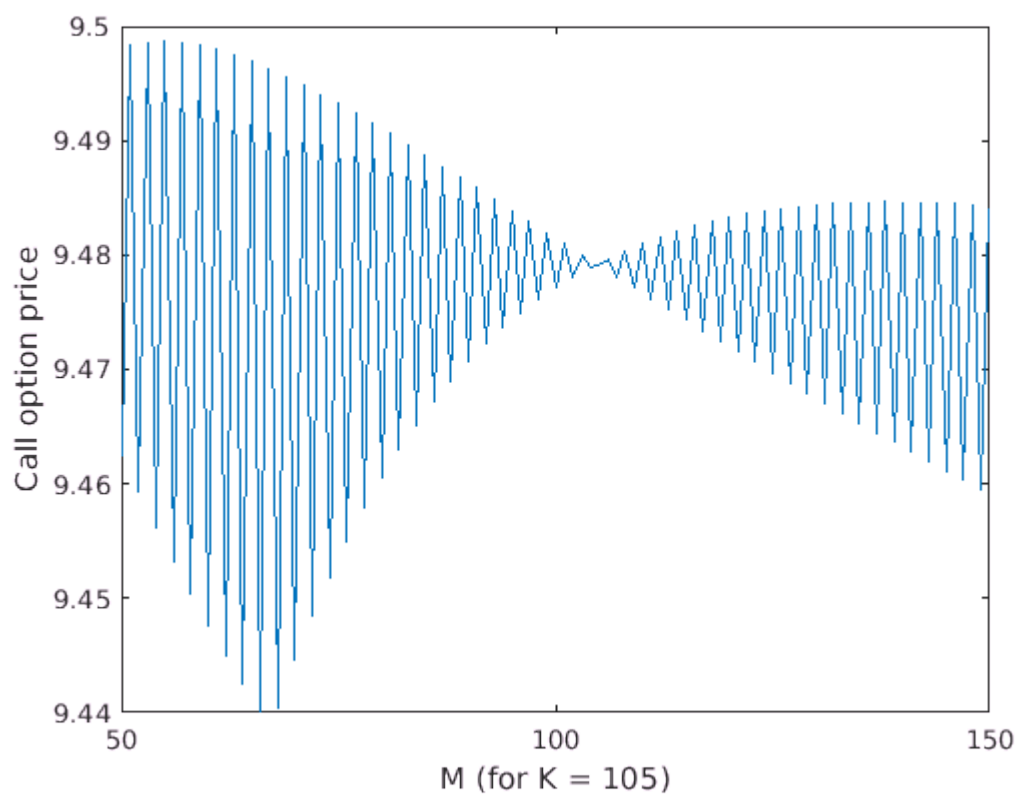
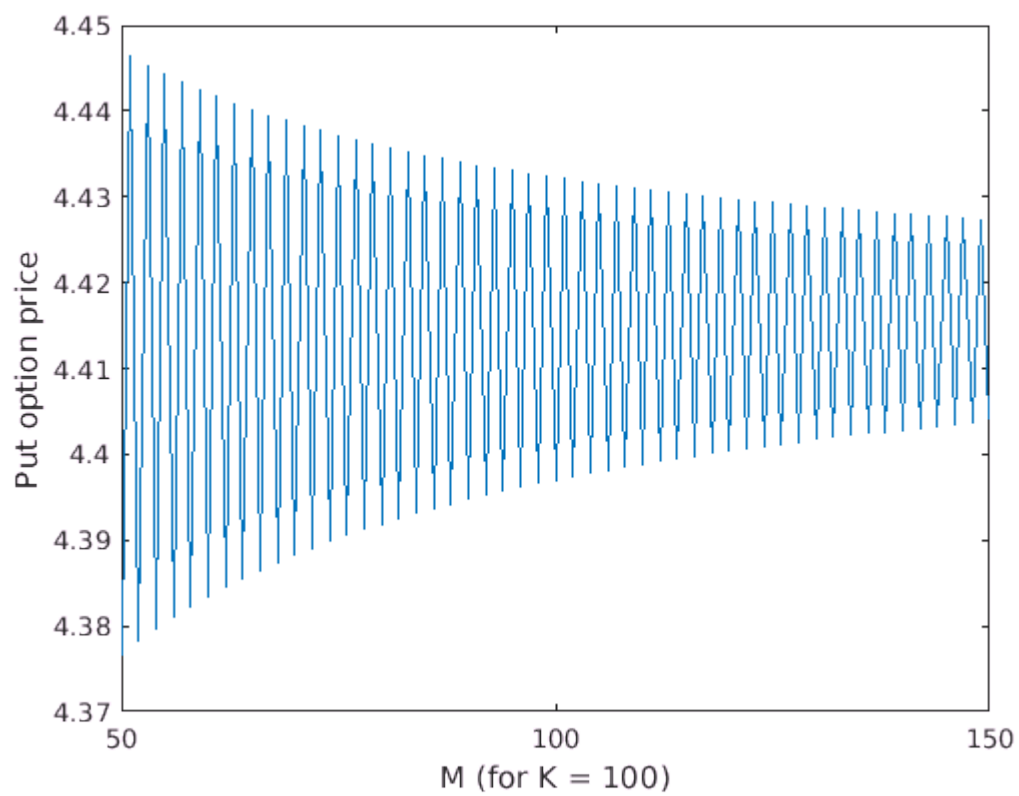


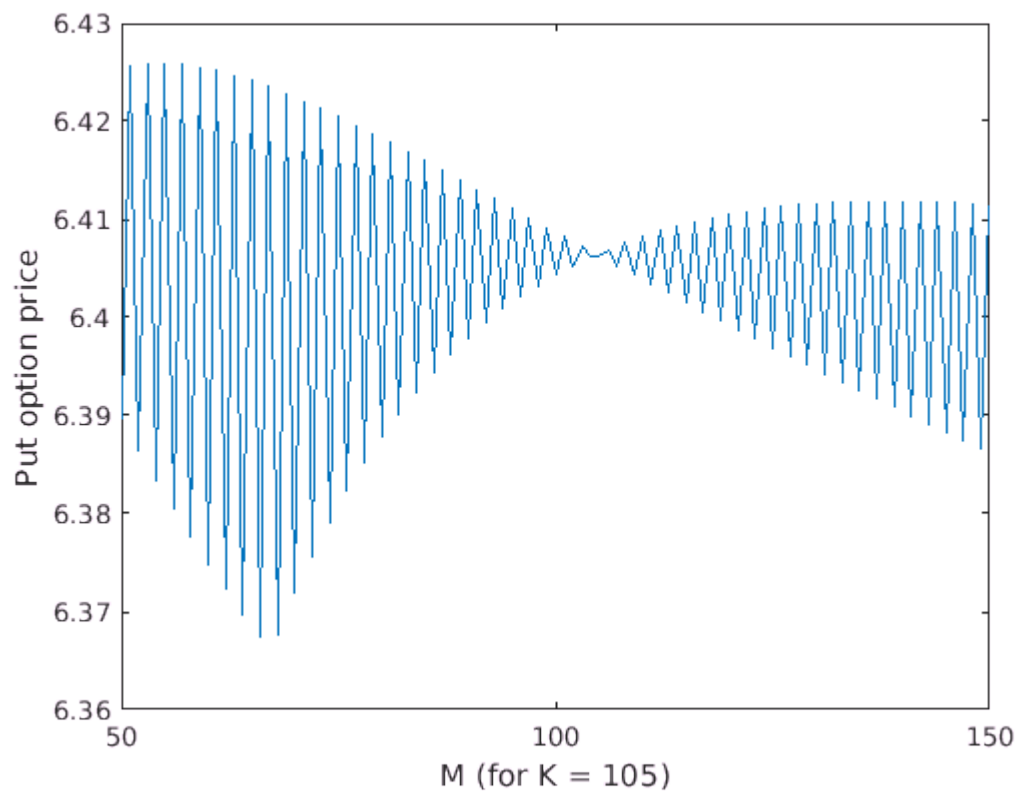


Varying M (for $k=95,100,105$)





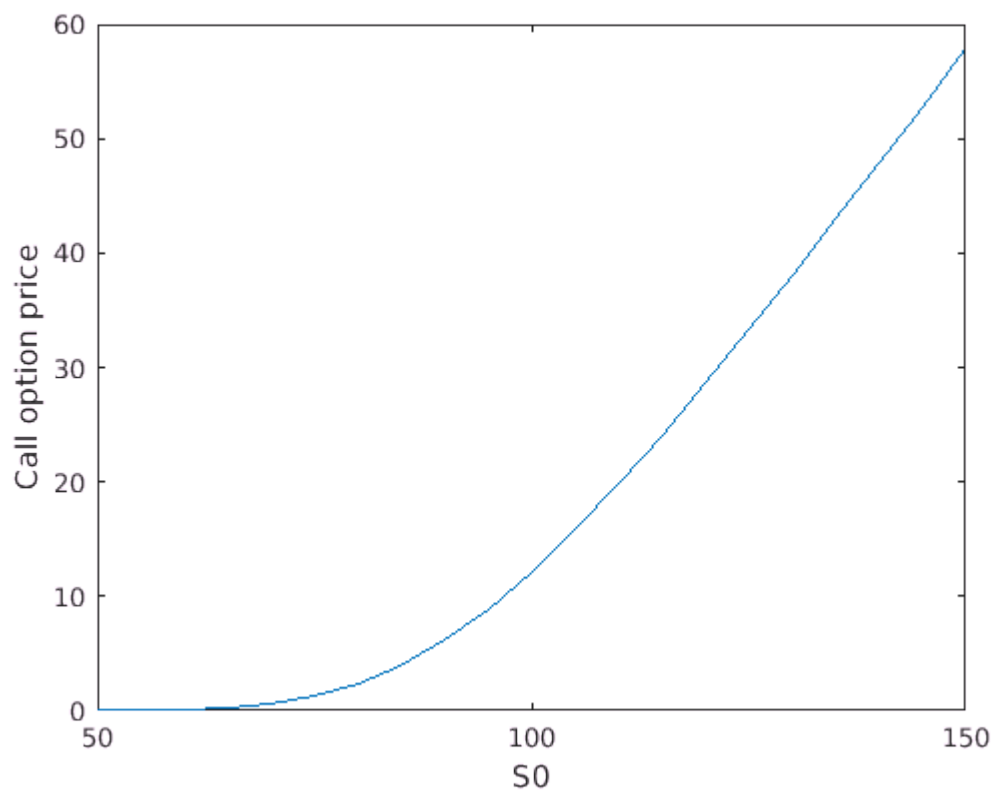


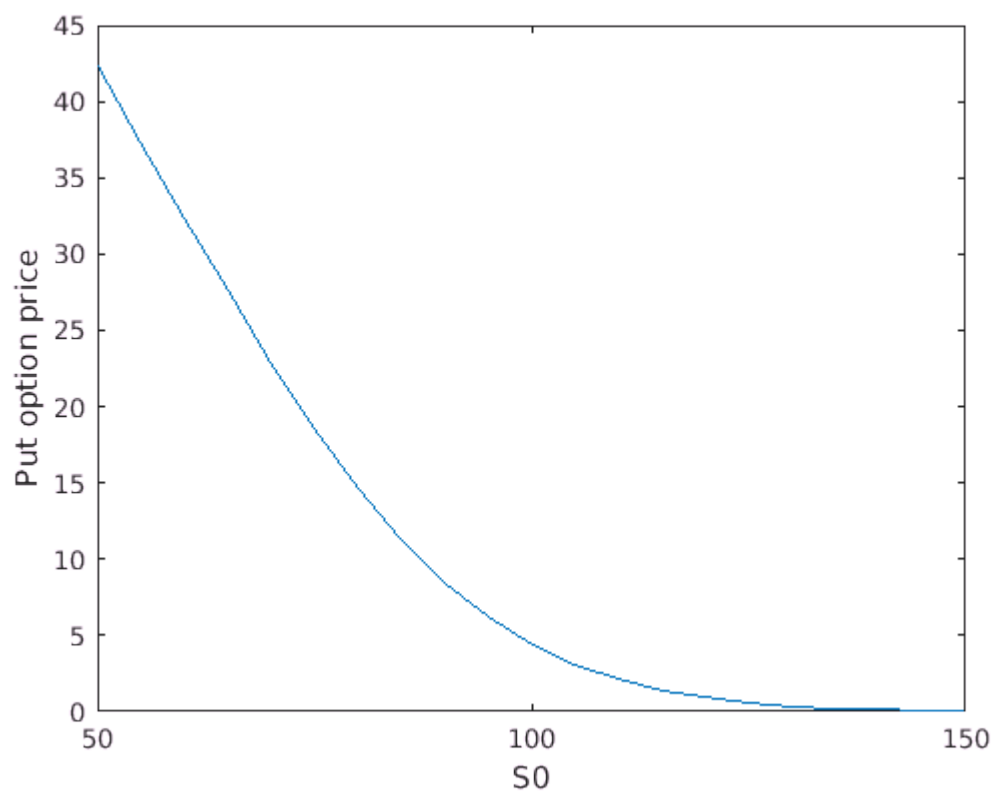


SET B

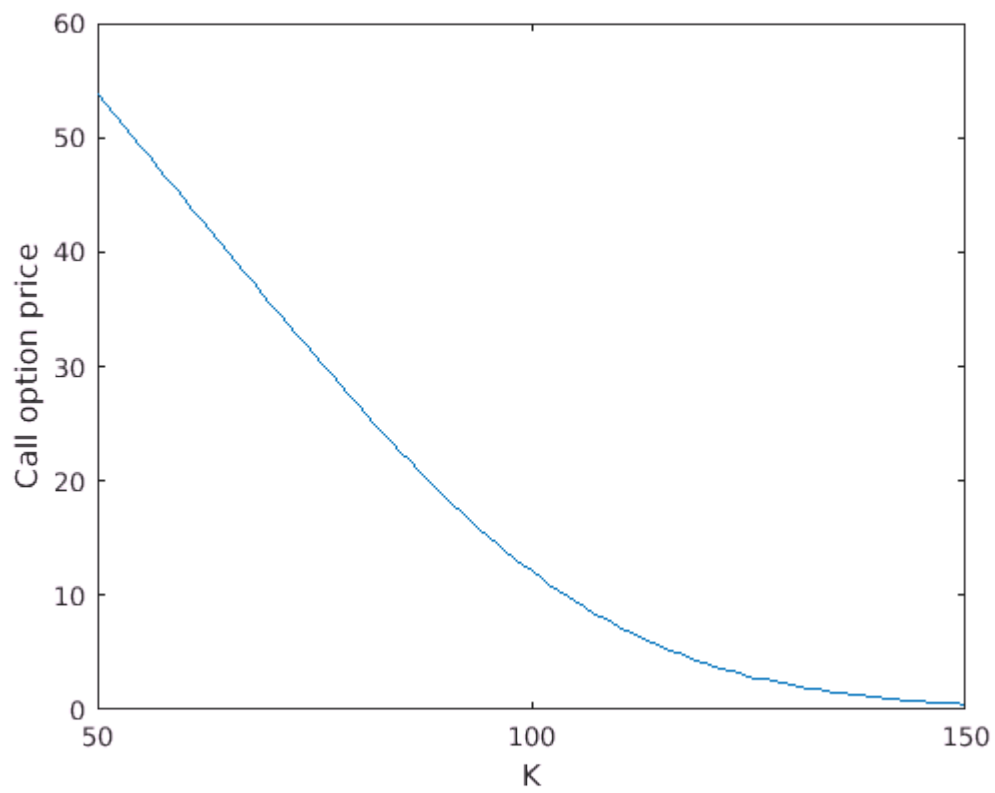
The call price for the given Values is 12.123047
 The put price for the given Values is 4.434682

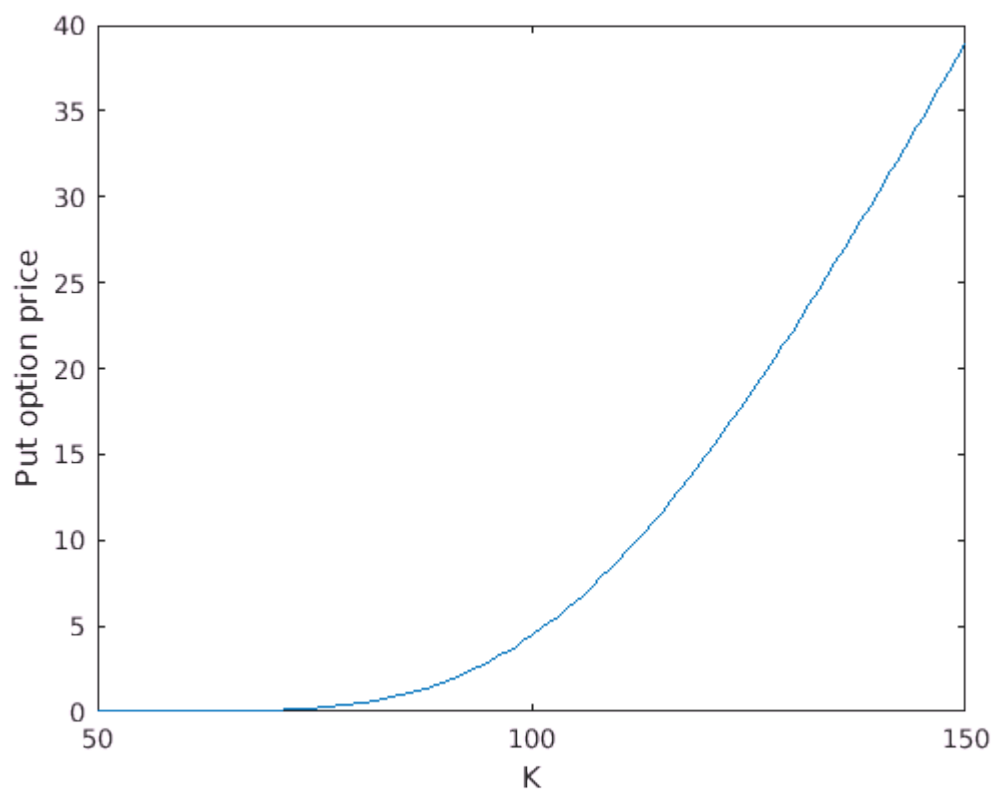
Varying S_0



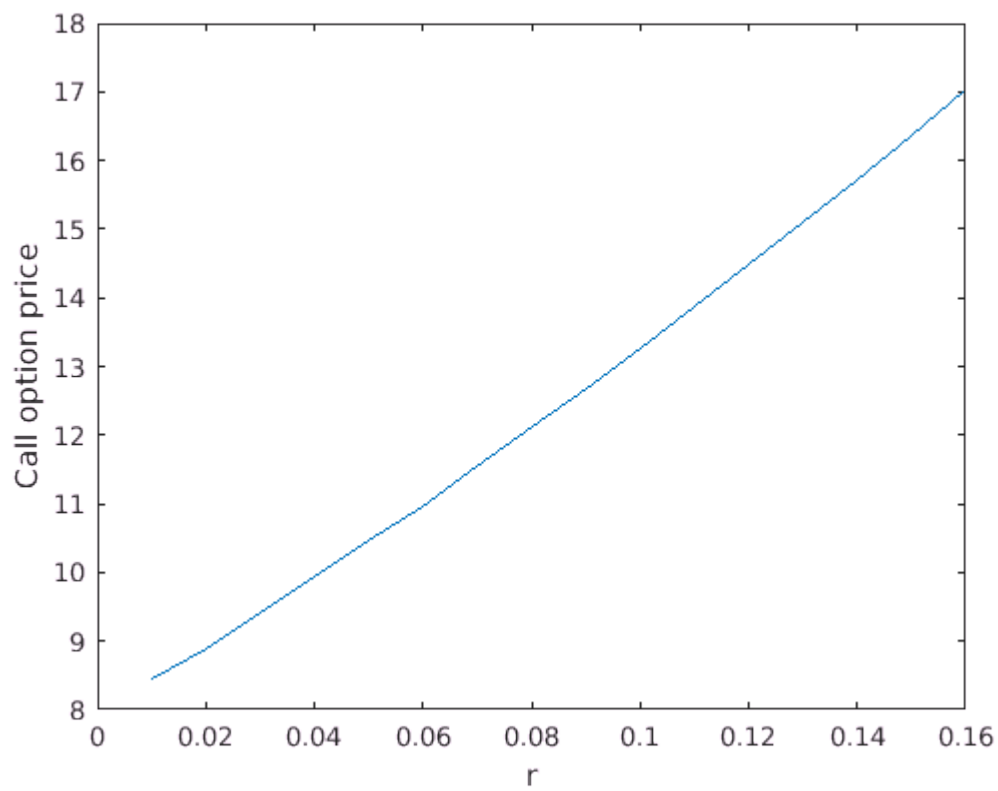


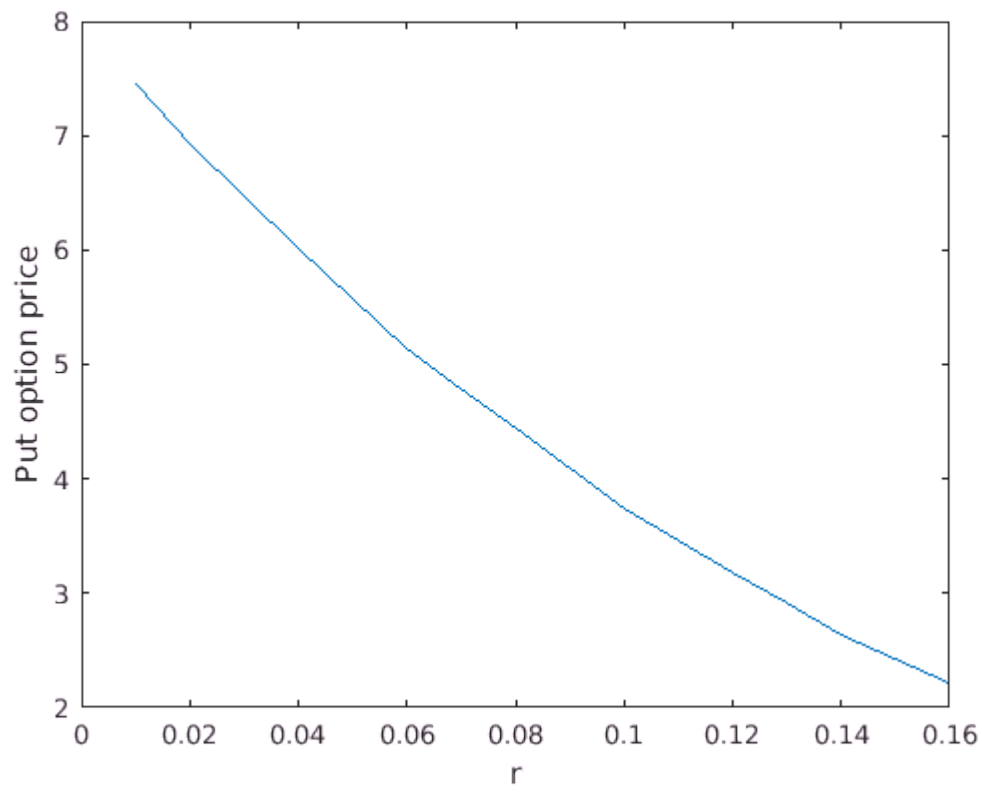
Varying K



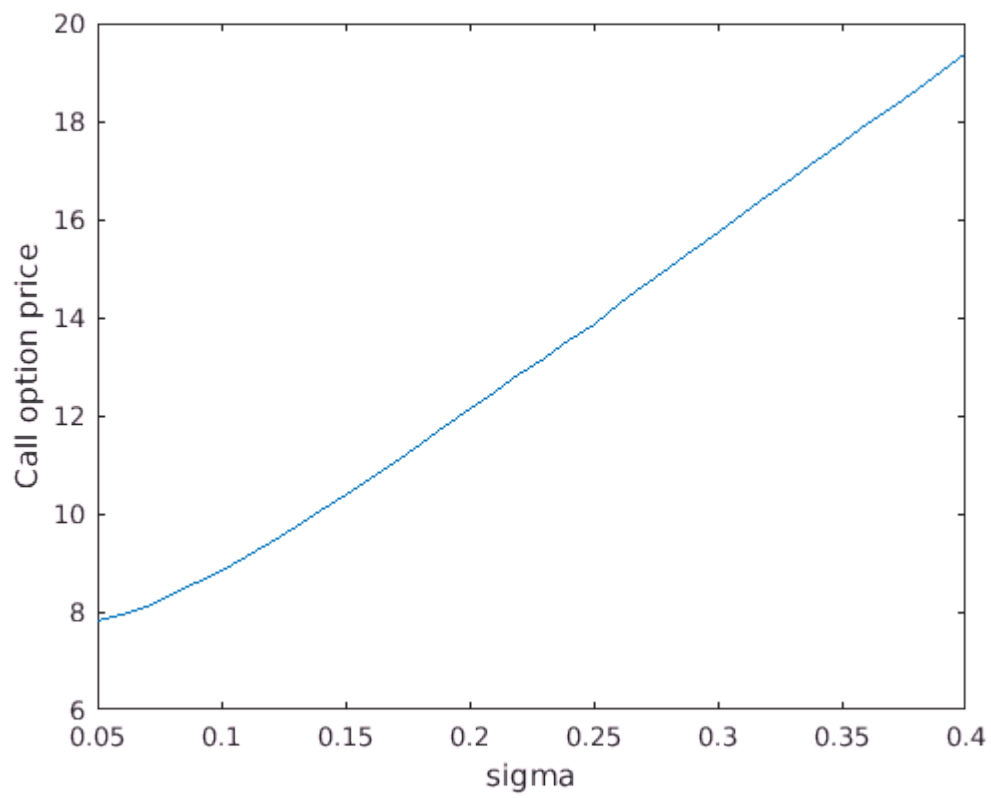


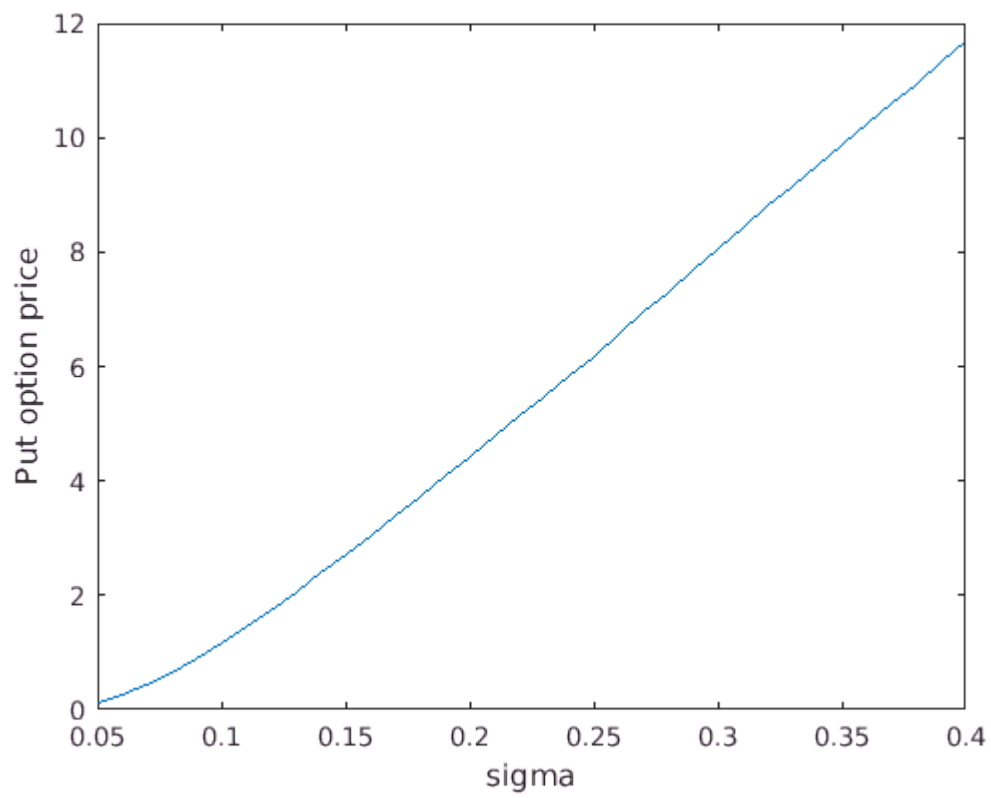
Varying r



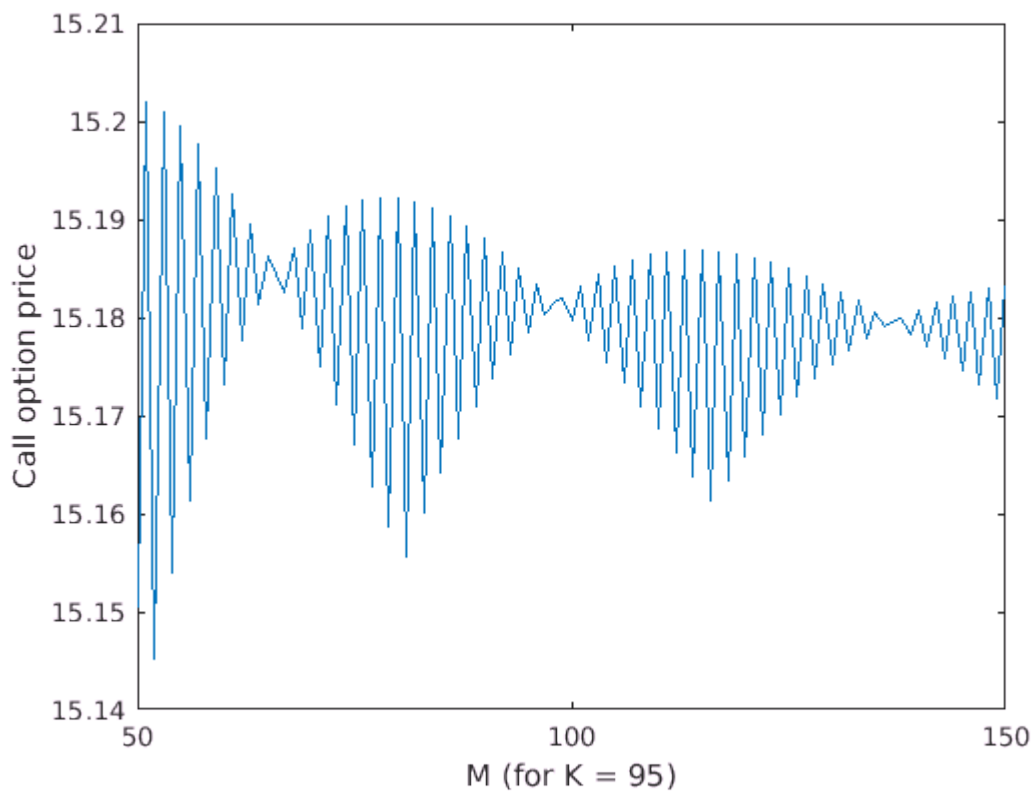


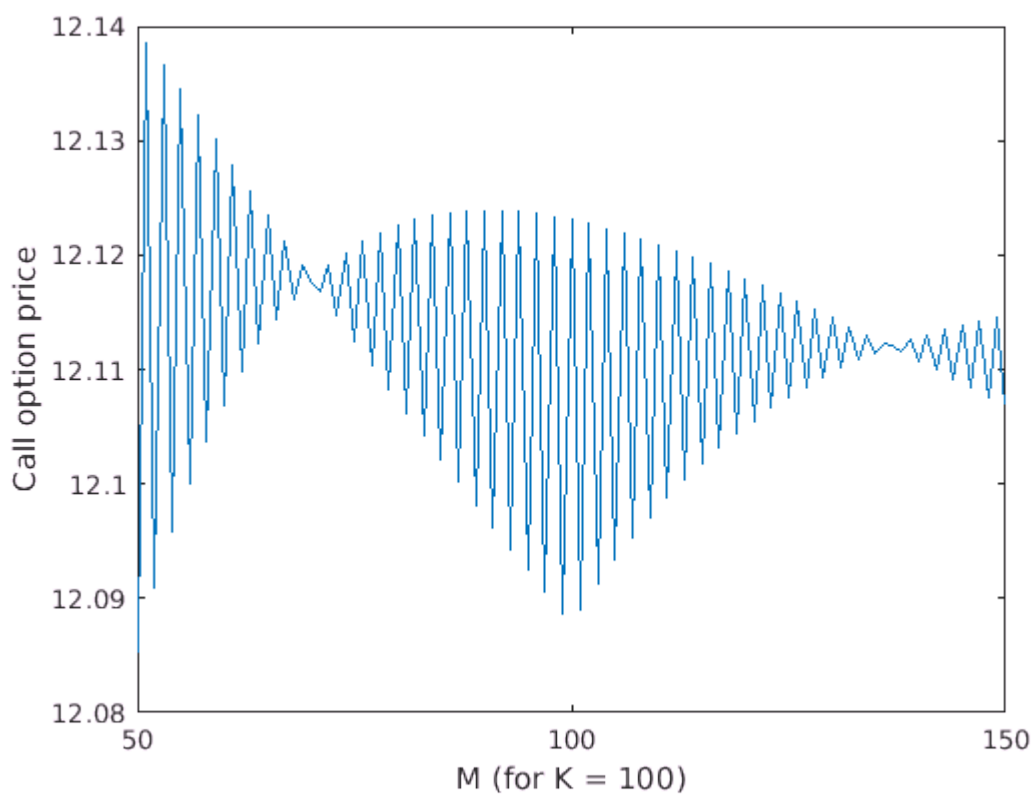
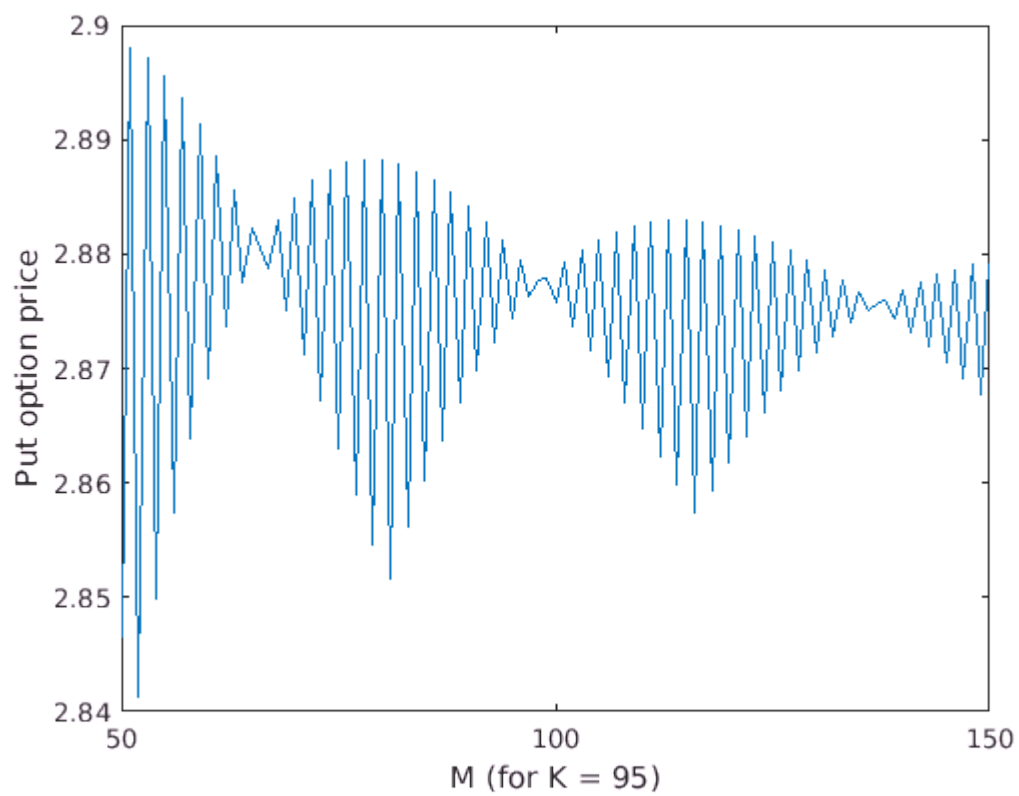
Varying sigma

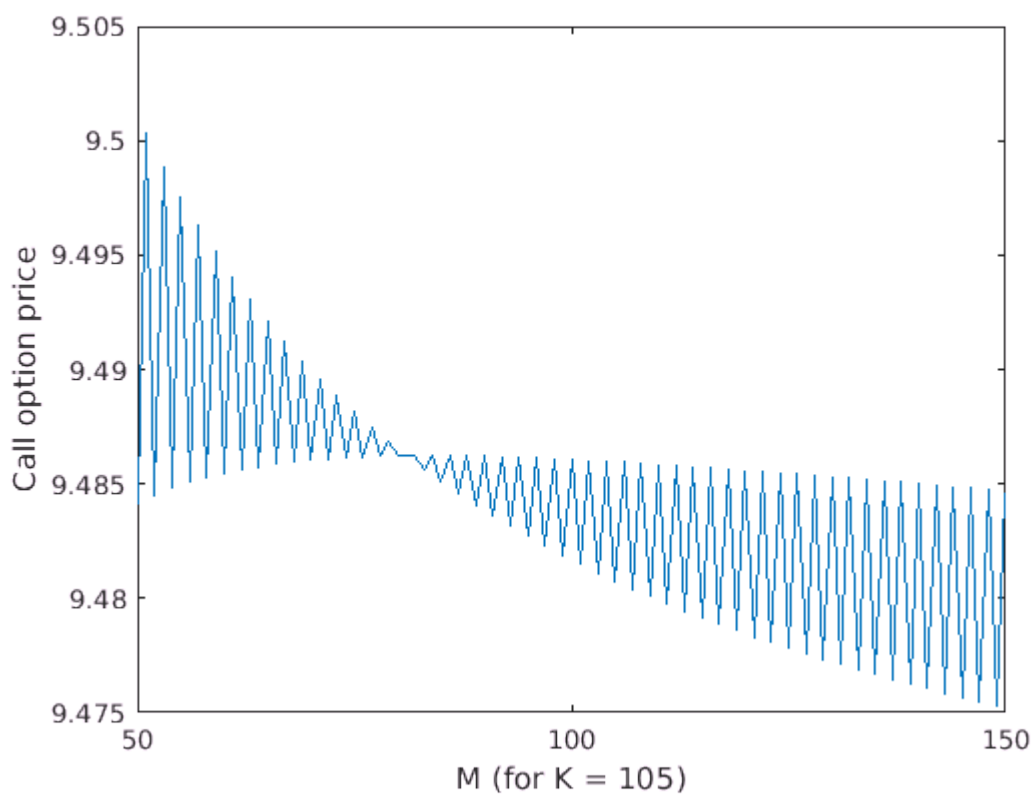
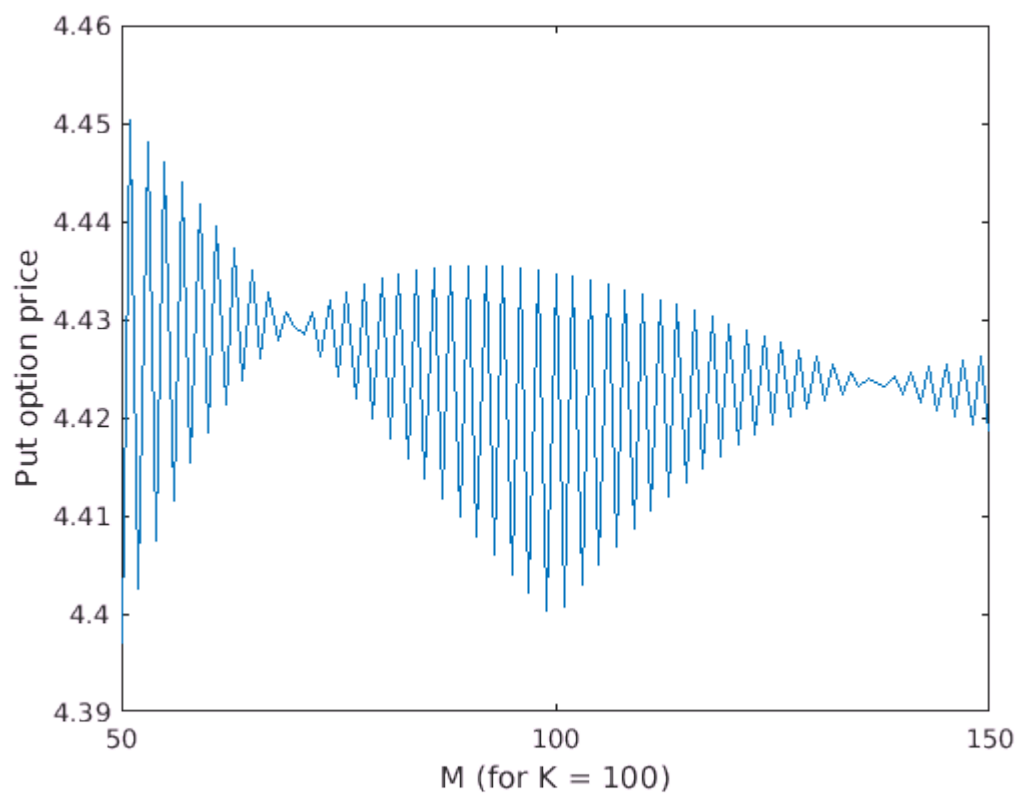


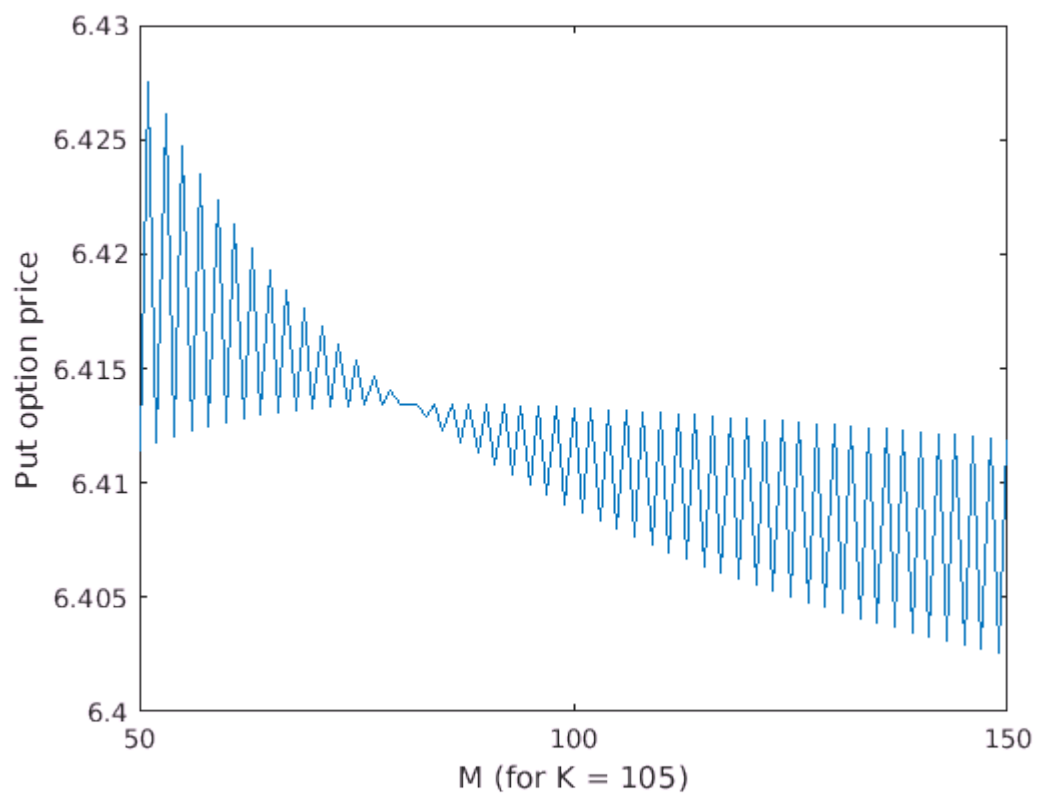


Varying M (for $k=95,100,105$)









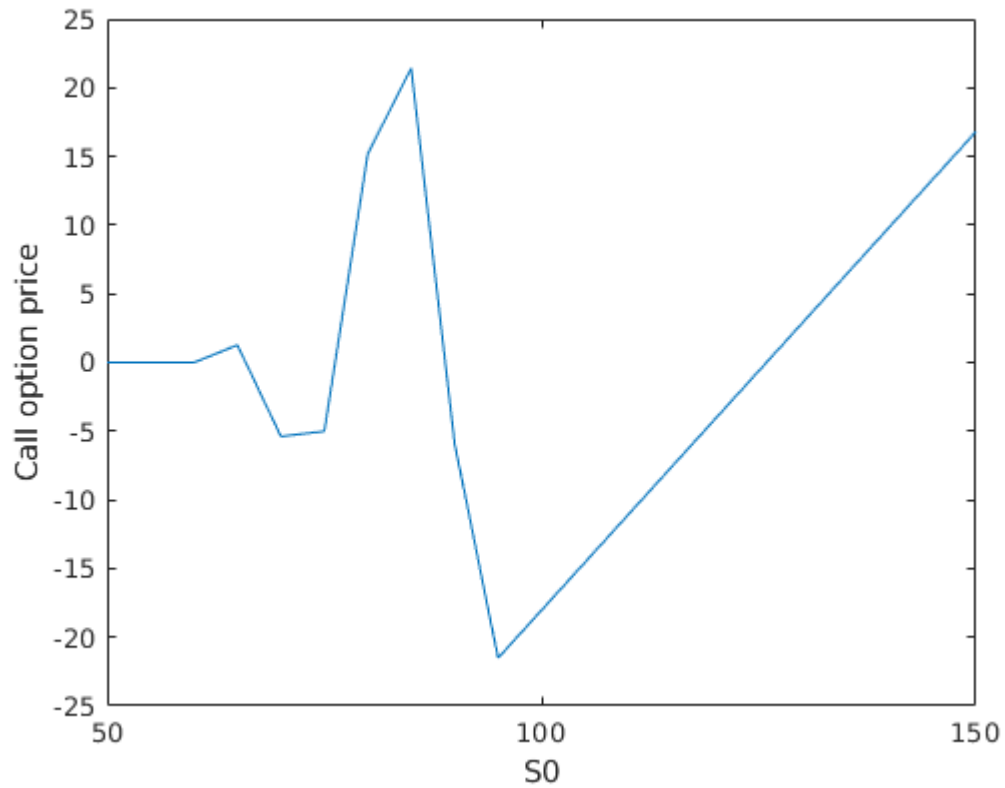
Q2

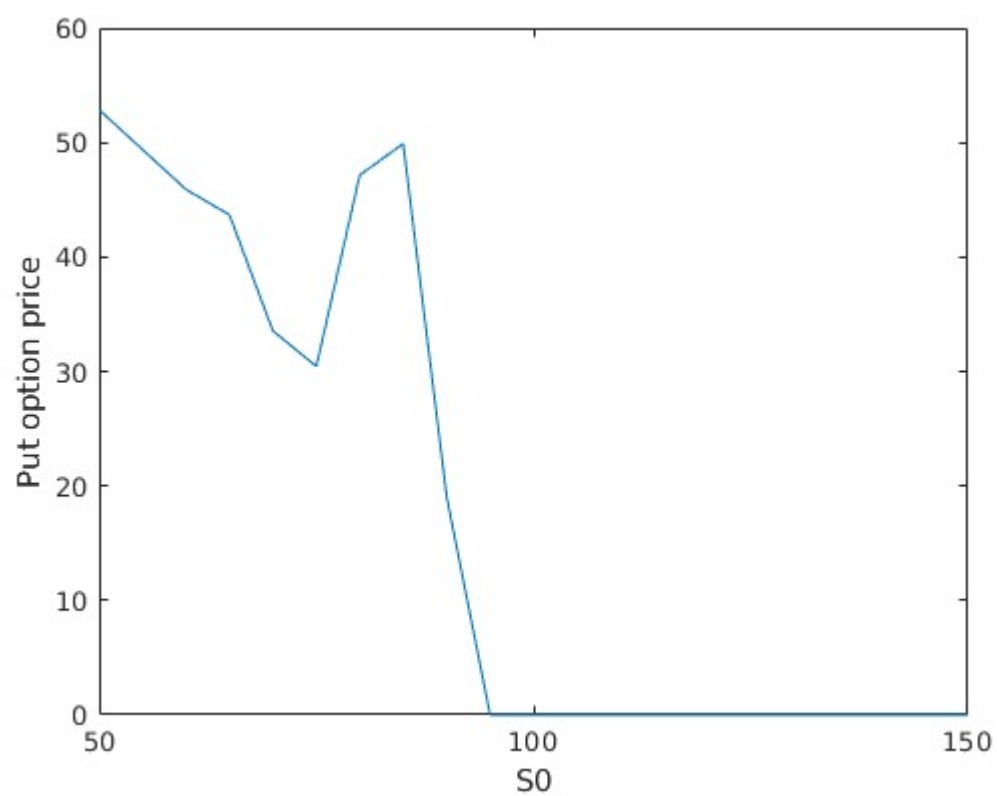
Using the path dependent Asian pricing option (part A)

The call price for the given Values is -18.034162

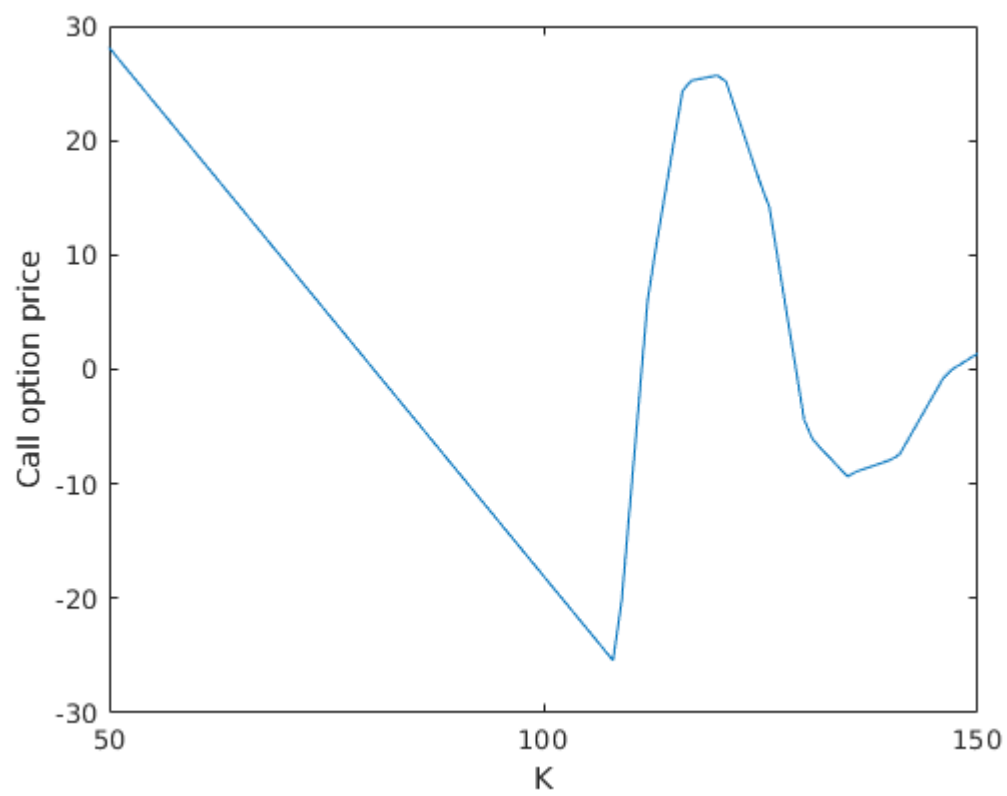
The put price for the given Values is 0.000000

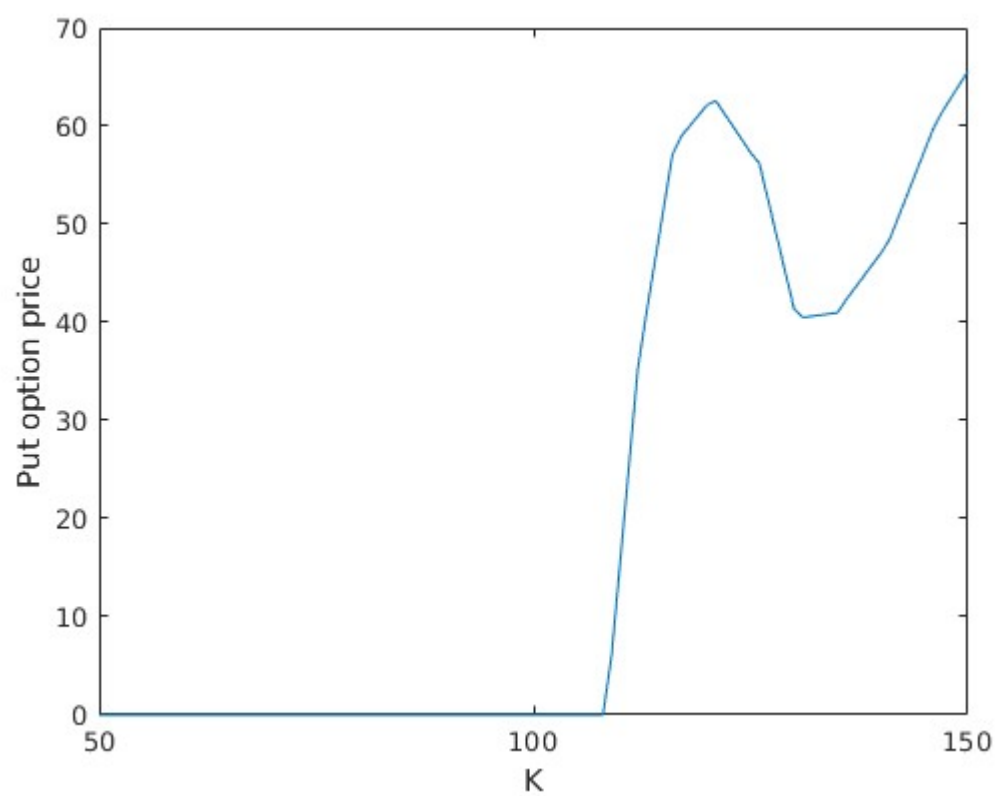
Varying S_0



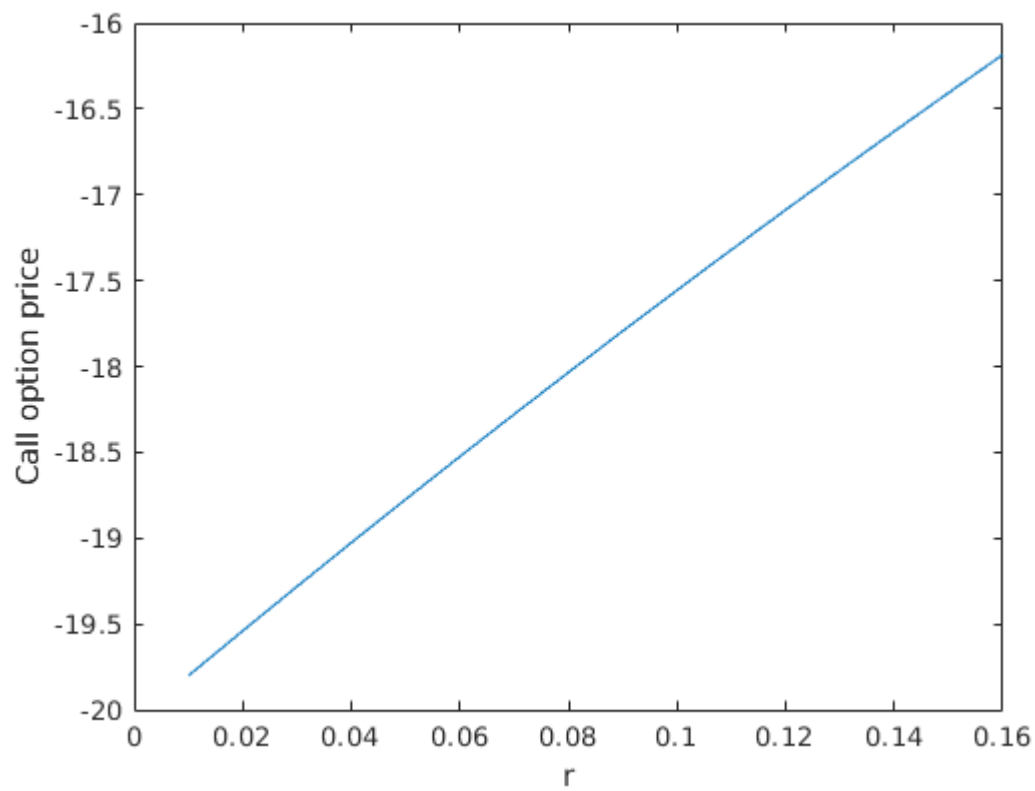


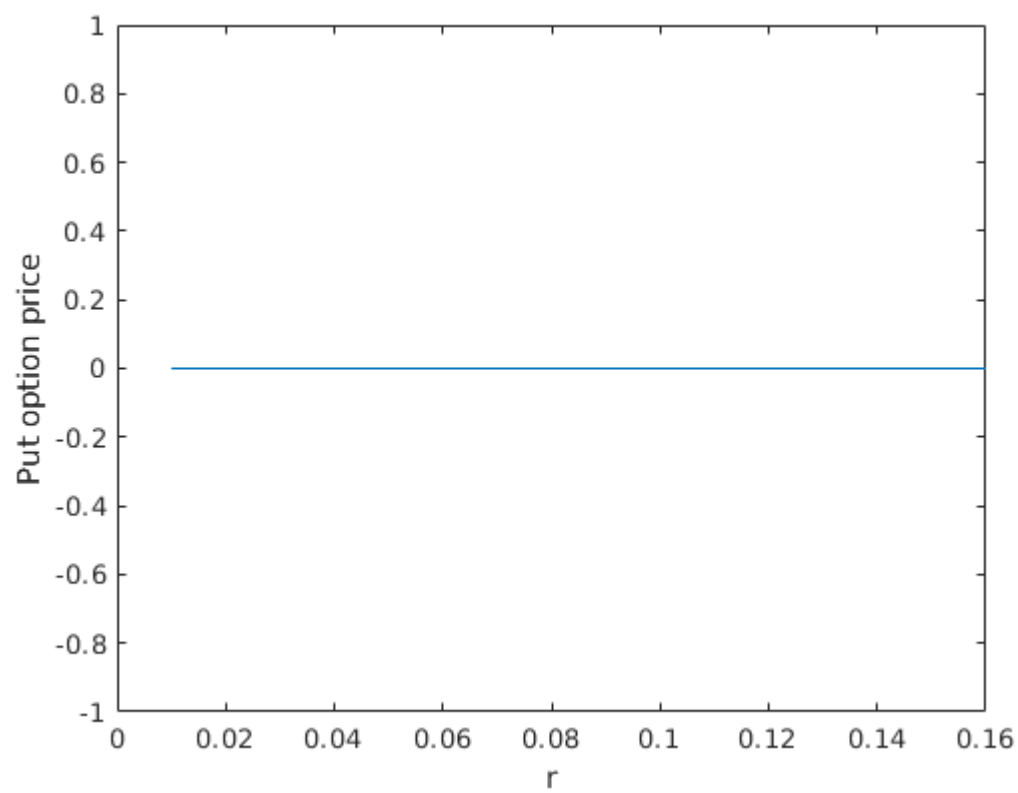
Varying K



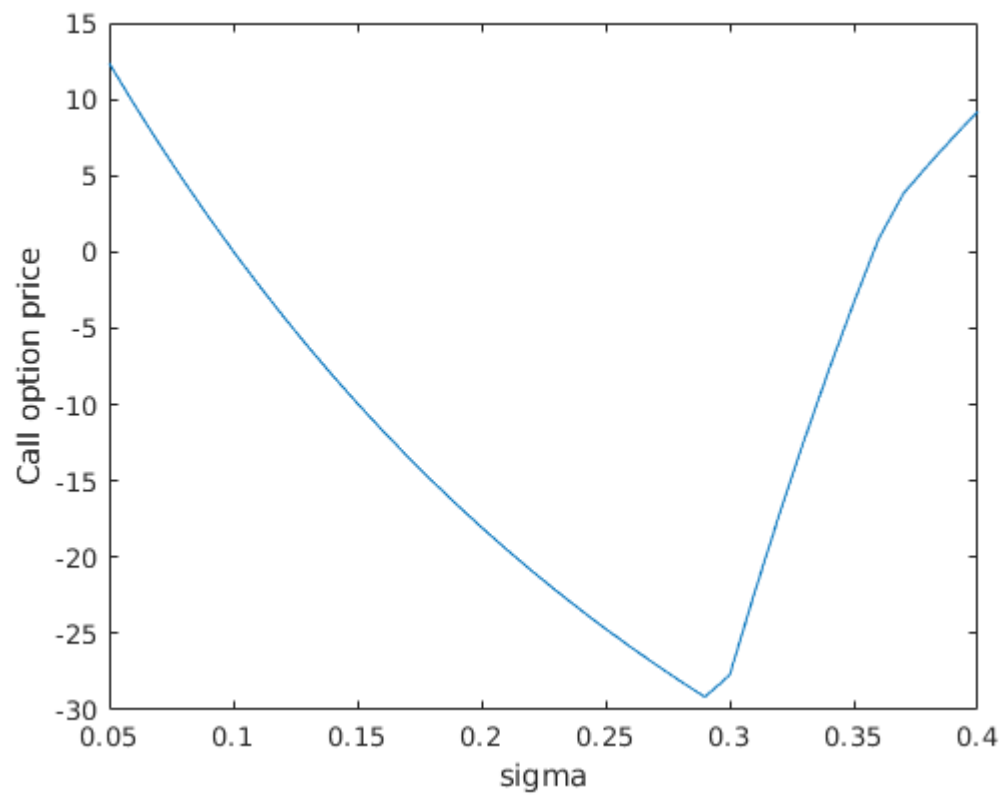


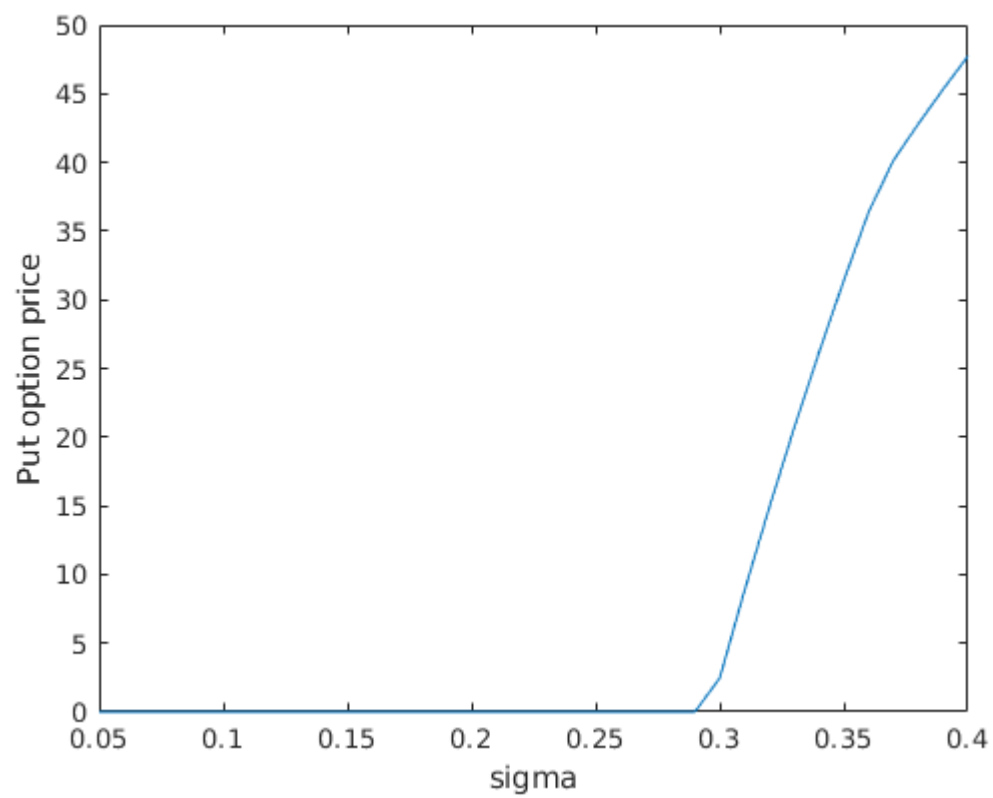
Varying r





Varying sigma





Varying M (for $k=95, 100, 105$)

