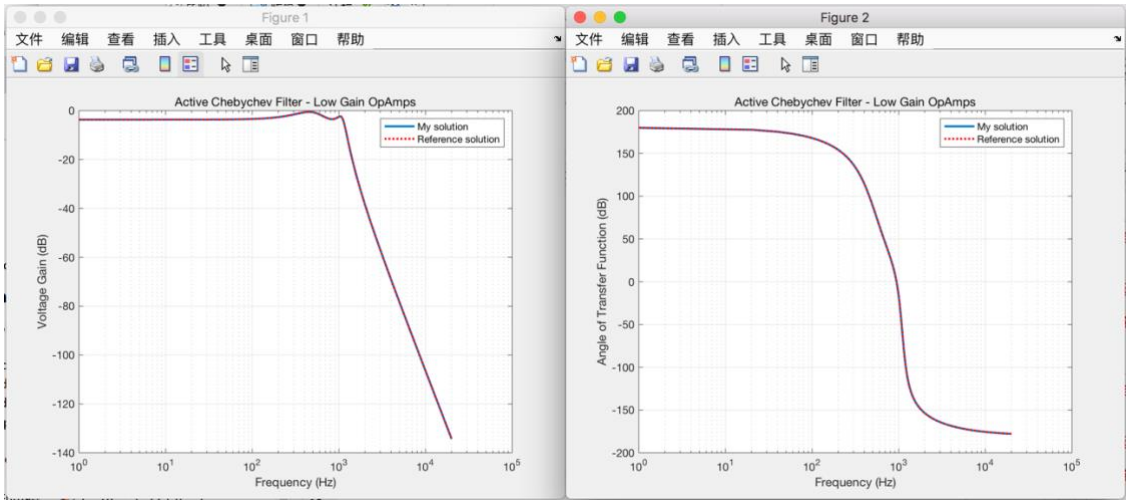
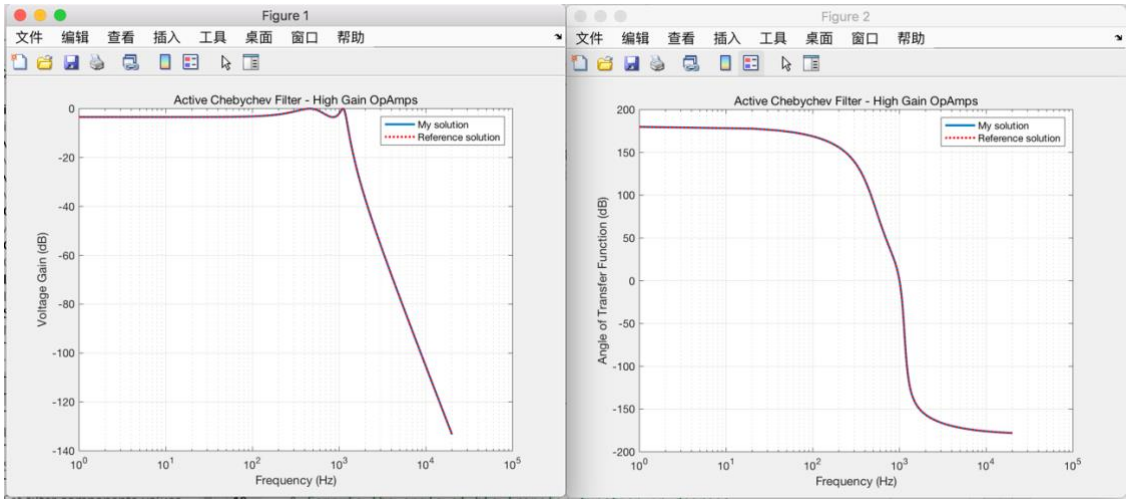
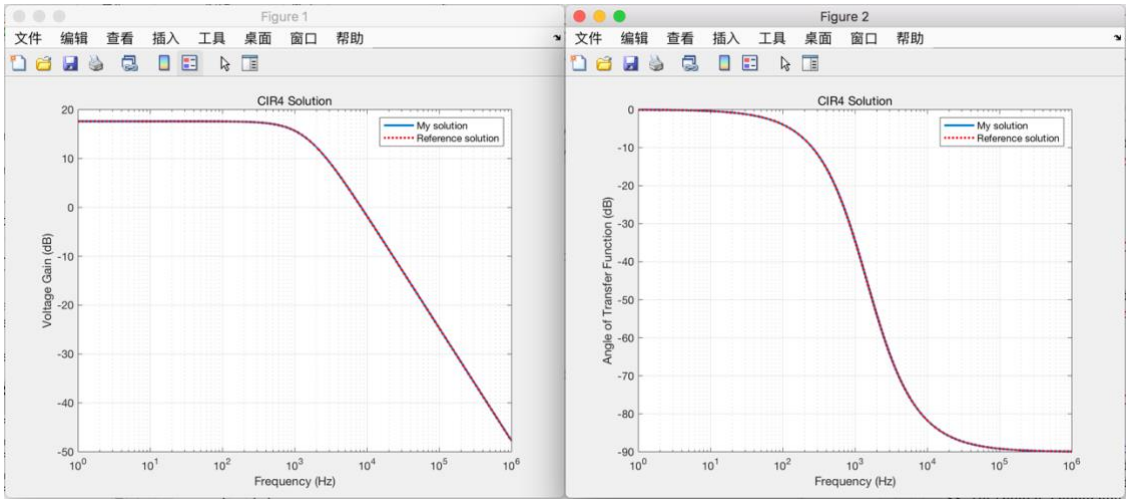
## Q1



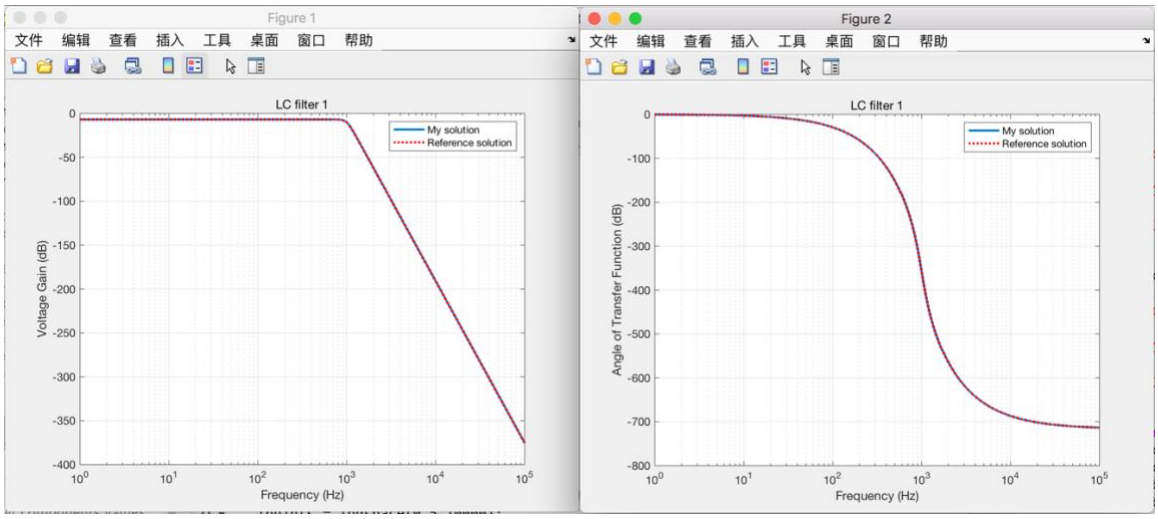

Testbench_chebychev_filter



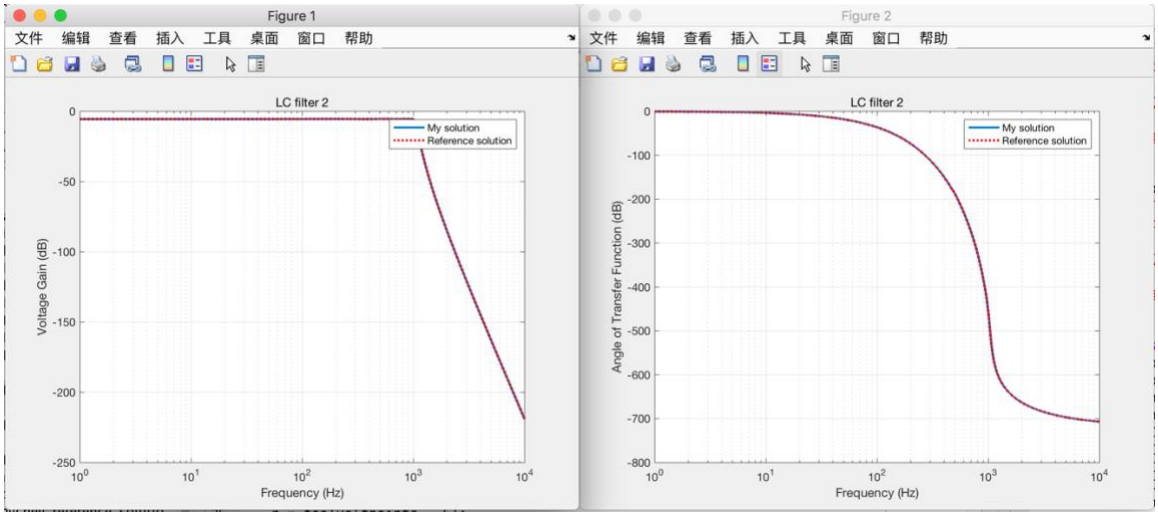

Testbench_chebychev_filter_largeGain.



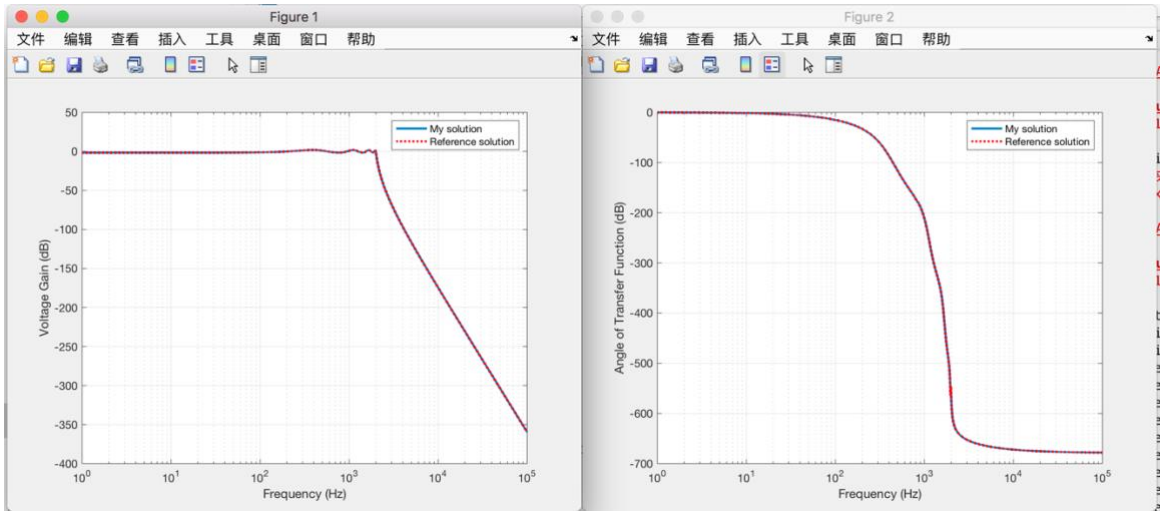

TestBench_CIR4




TestBench_LCfilter1

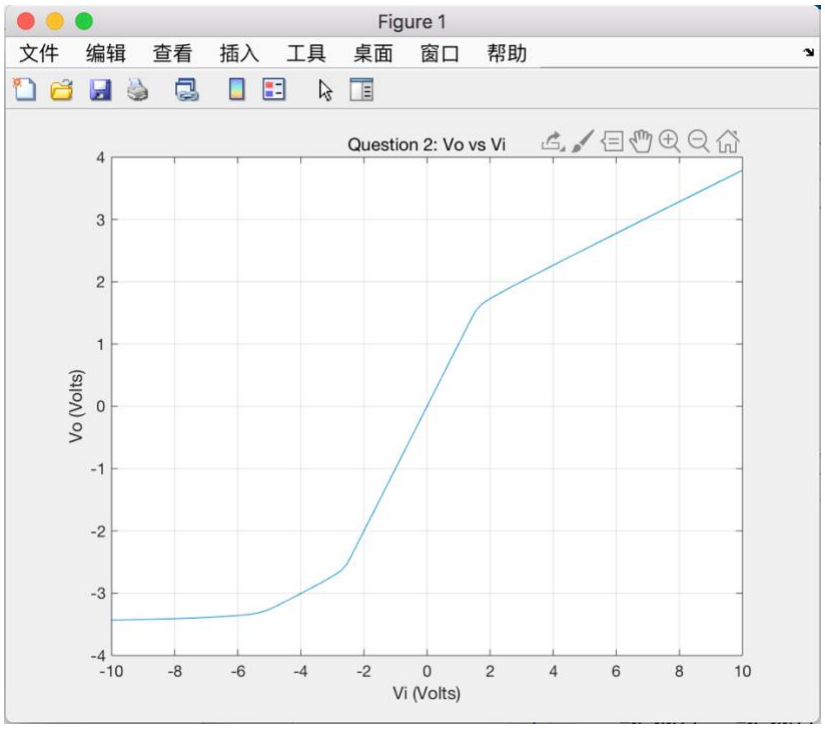



TestBench_LCfilter2

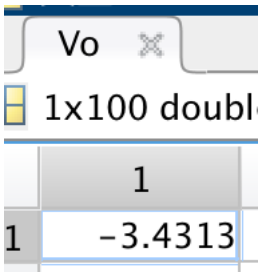



TestBench_LCfilter3

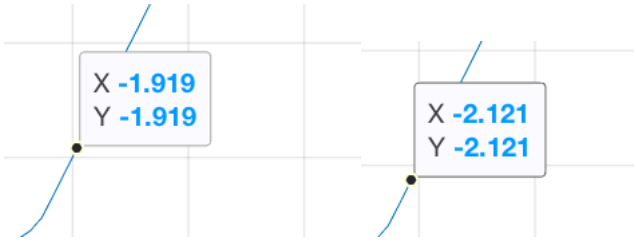
Q2



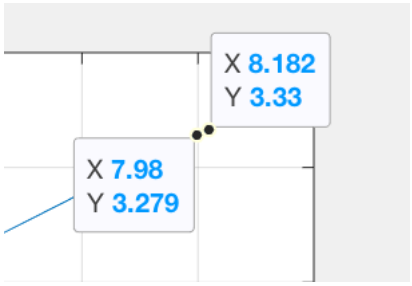

**Solutions:**




When VI = -10V, Vo = **-3.4313V**




This interval is a linear line with a slope 1. In this way, when VI = -2V, Vo = **-2V.**




When VI = 8V, Vo = 3.279V+(3.33-3.279)/(8.182-7.98)*0.2 = **3.284V**