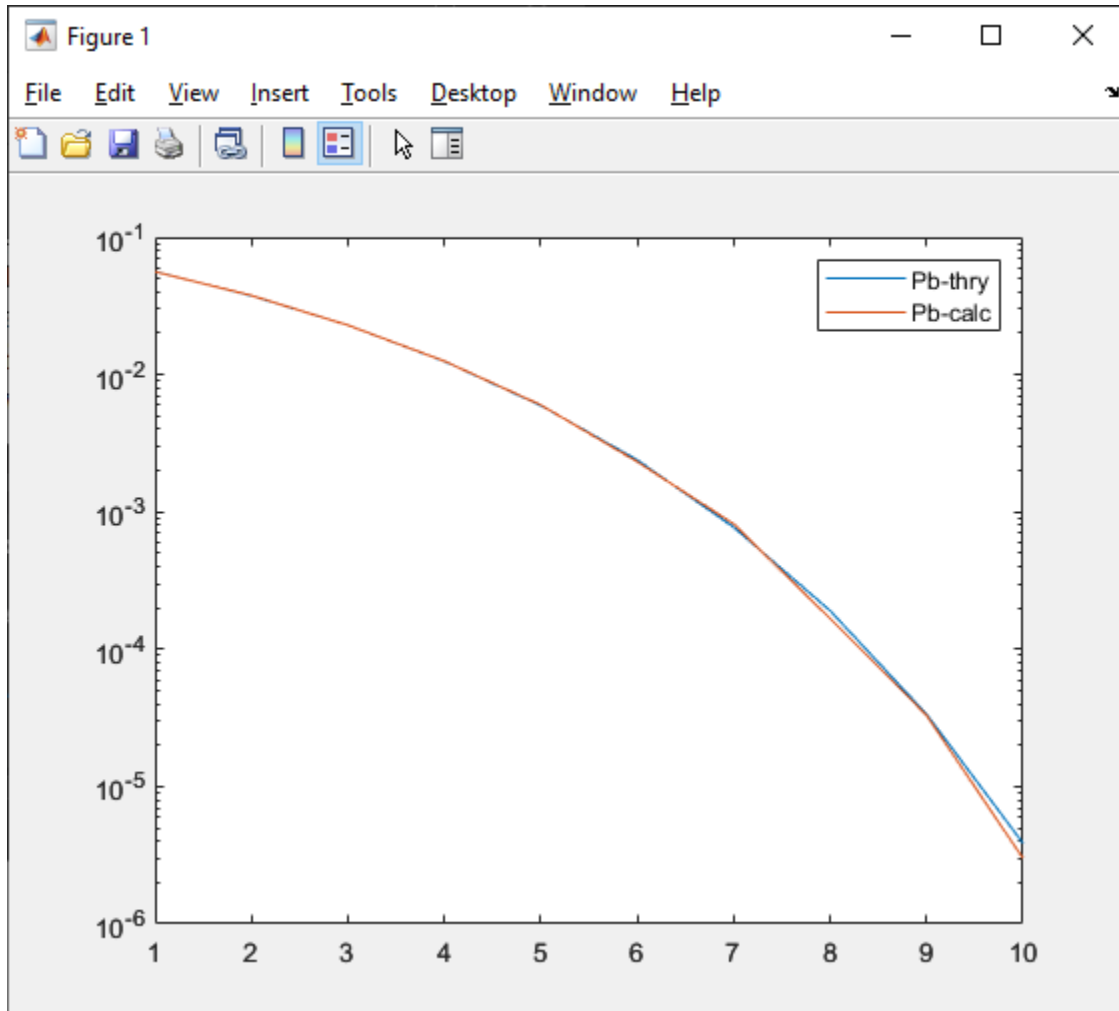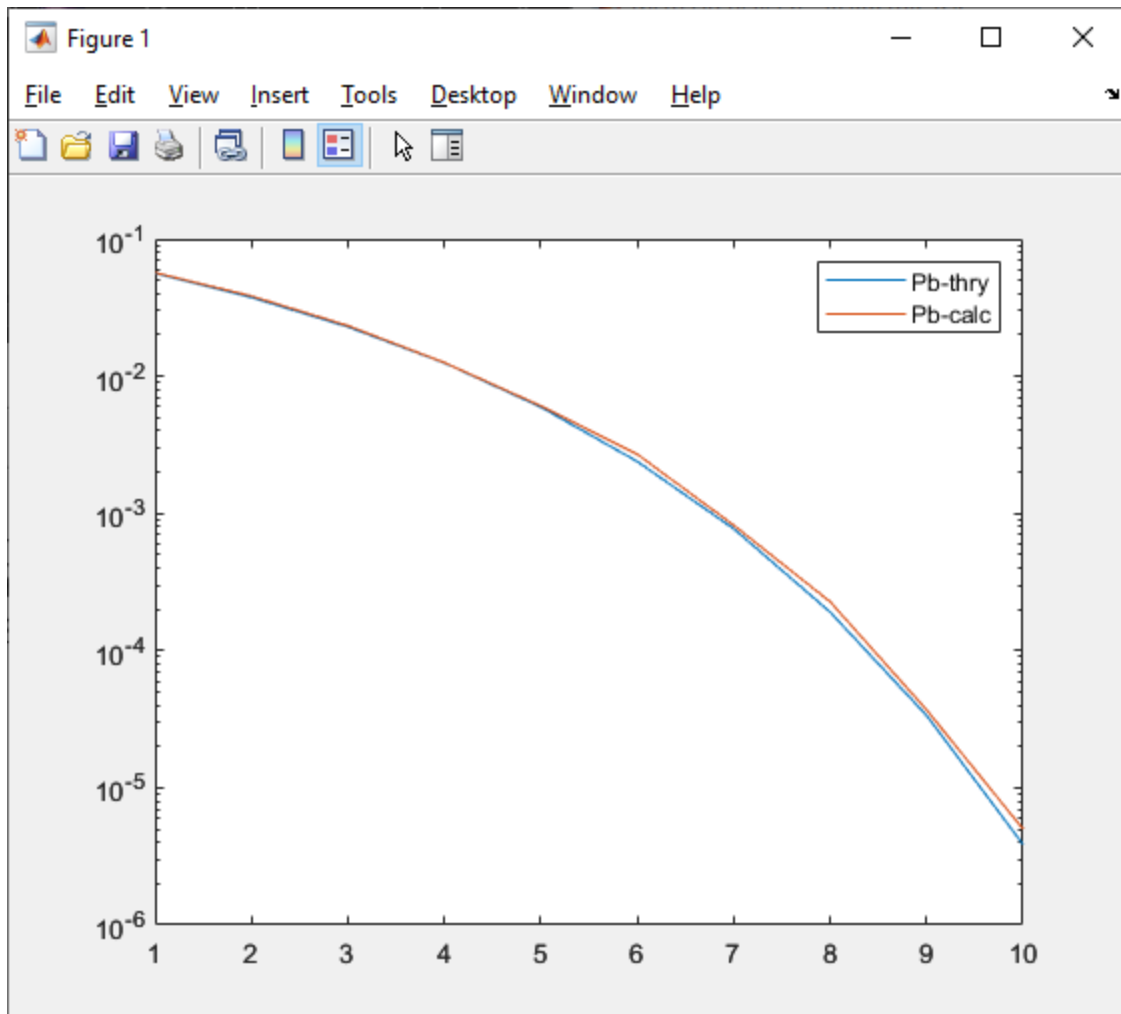Lab 4

Part 1

Step 7: Test the simulator in the presence of noise. Increase the message word length to $N_a=1000$ bits and simulate $N_f=1000$ message words. For $E_bN_0/$ in the range of 0 dB to 10 dB with a step size of 1 dB, plot the BER vs. $E_bN_0/$ in a graph.
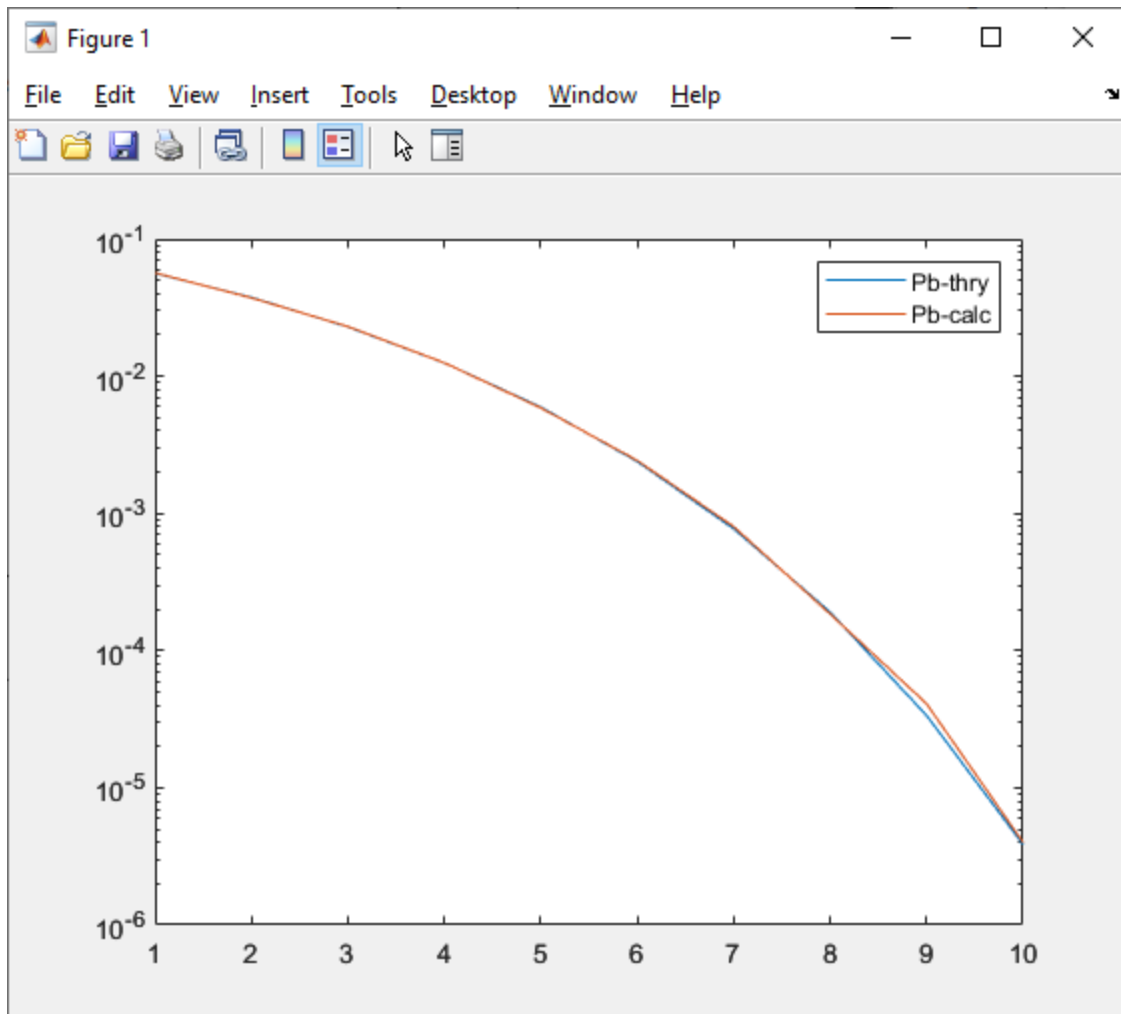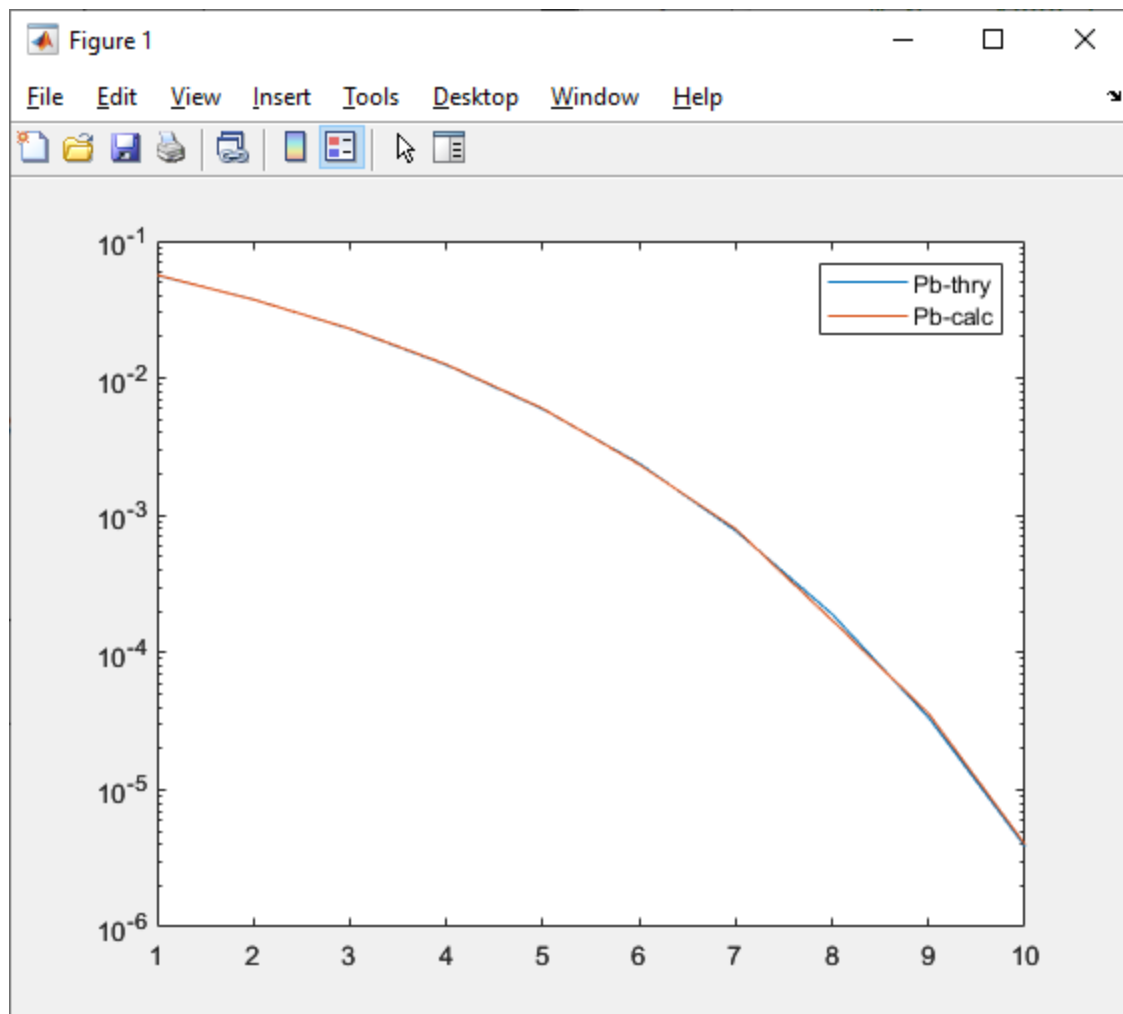

Nt = 20

Repeat the experiment for different training sequence lengths ($N_T=1$, $N_T=10$, $N_T=20$, and $N_T=100$)

Nt = 1

Nt = 10

Nt = 100