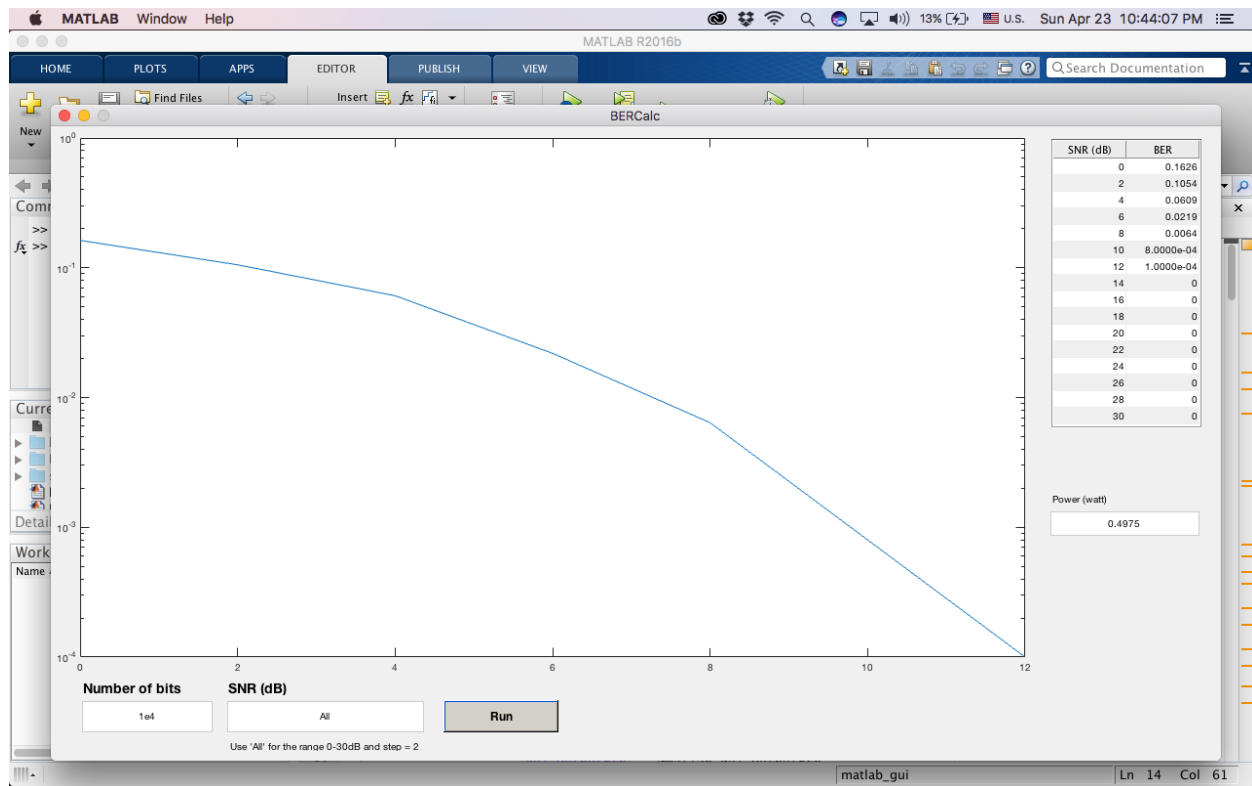


BER-Report

DIGITAL COMMUNICATION

EXPEREMENT 1

Ahmed Magdy Ibrahim	3003
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SNR	BER
0	0.1626
2	0.1054
4	0.0609
6	0.0219
8	0.0084
10	8.0000e-04
12	1.0000e-04
14	0
16	0
18	0
20	0
22	0
24	0
26	0
28	0
30	0

Objective:

- Generates an array of random bits
- Computes the noise based on the SNR
- Apply the noise to the generated bits
- Computes the error rate

Value at system with nearly no error:

SNR = 14 dB