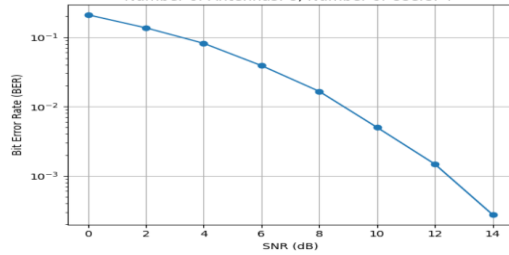


MMSE ALL results :

K=4

N=8

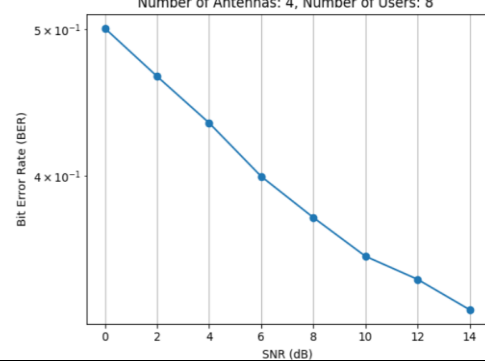
SNR vs Bit Error Rate (BER) for Massive MIMO with MMSE detection (BPSK)
Number of Antennas: 8, Number of Users: 4



N=4

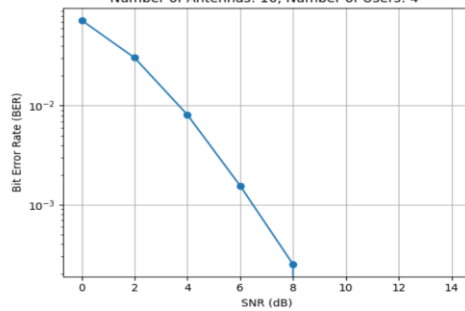
K=8

SNR vs Bit Error Rate (BER) for Massive MIMO with MMSE detection (BPSK)
Number of Antennas: 4, Number of Users: 8



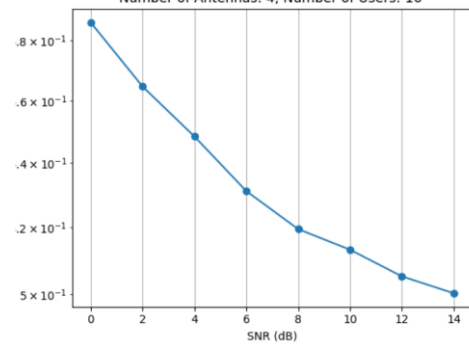
N=16

SNR vs Bit Error Rate (BER) for Massive MIMO with MMSE detection (BPSK)
Number of Antennas: 16, Number of Users: 4



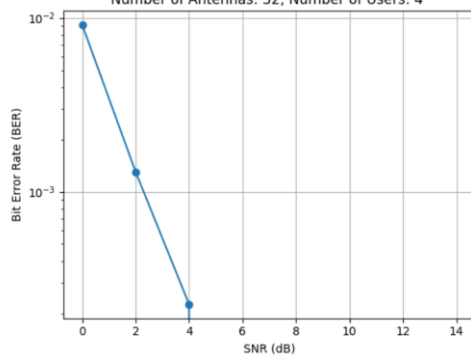
K=16

SNR vs Bit Error Rate (BER) for Massive MIMO with MMSE detection (BPSK)
Number of Antennas: 4, Number of Users: 16



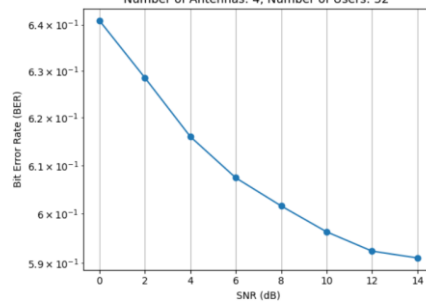
N=32

SNR vs Bit Error Rate (BER) for Massive MIMO with MMSE detection (BPSK)
Number of Antennas: 32, Number of Users: 4

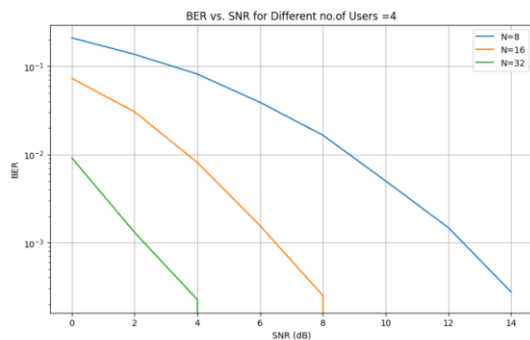


K=32

SNR vs Bit Error Rate (BER) for Massive MIMO with MMSE detection (BPSK)
Number of Antennas: 4, Number of Users: 32

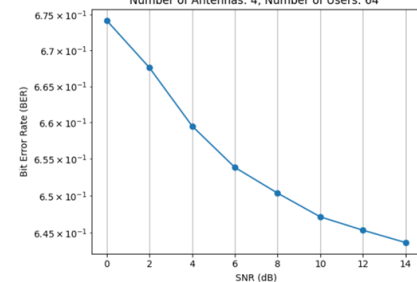


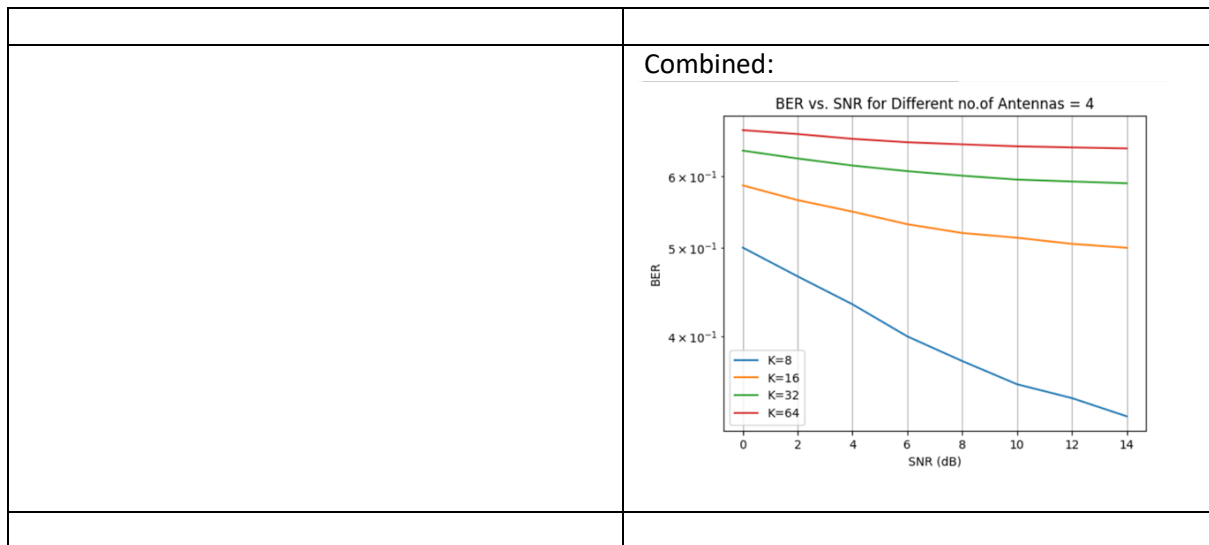
Combined:



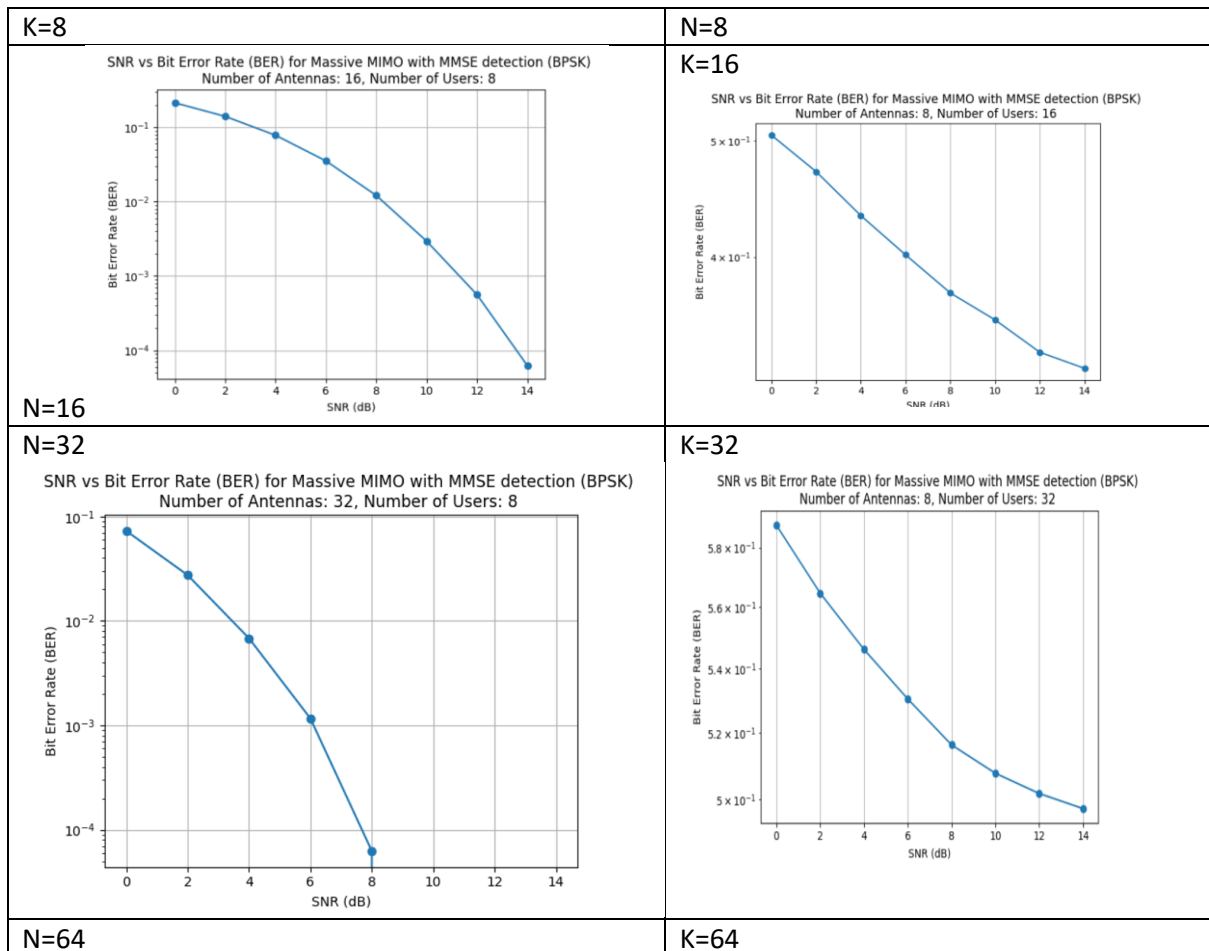
K=64

SNR vs Bit Error Rate (BER) for Massive MIMO with MMSE detection (BPSK)
Number of Antennas: 4, Number of Users: 64

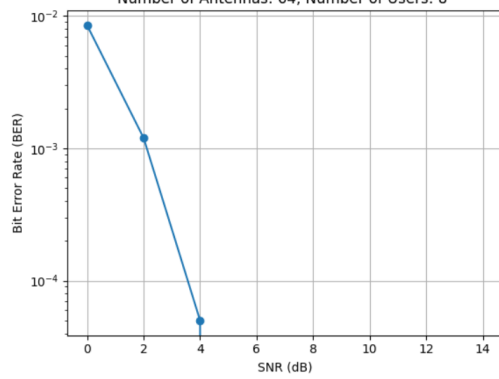




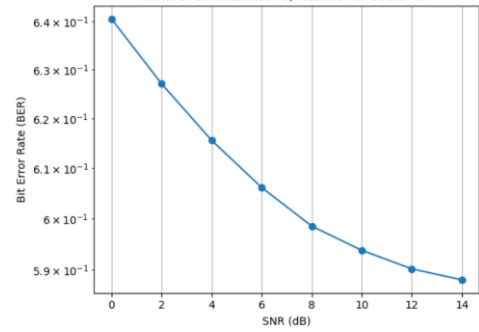
2)



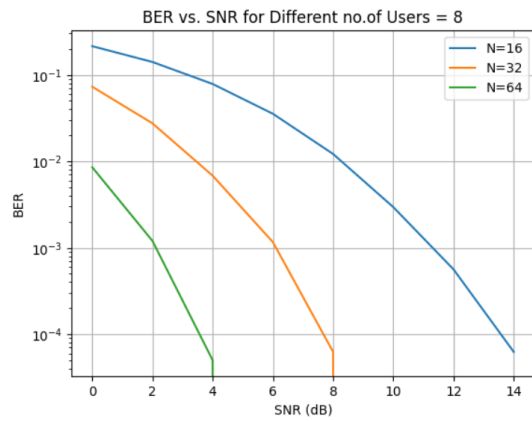
SNR vs Bit Error Rate (BER) for Massive MIMO with MMSE detection (BPSK)
Number of Antennas: 64, Number of Users: 8



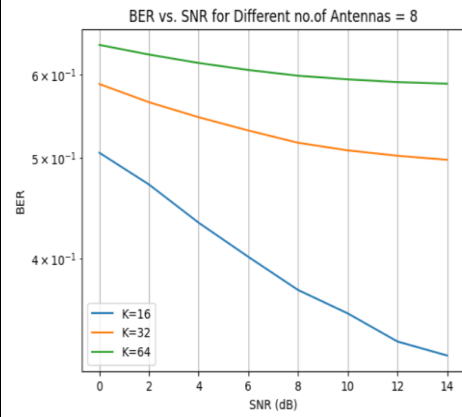
SNR vs Bit Error Rate (BER) for Massive MIMO with MMSE detection (BPSK)
Number of Antennas: 8, Number of Users: 64



Combine:



Combined:

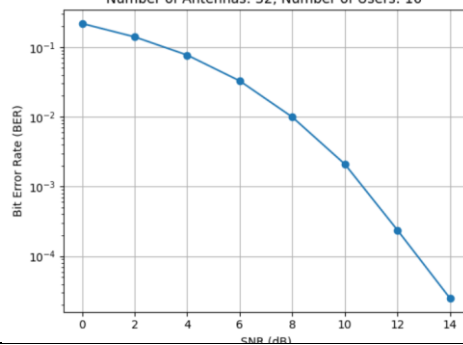


For) 16

K=16

N=32

SNR vs Bit Error Rate (BER) for Massive MIMO with MMSE detection (BPSK)
Number of Antennas: 32, Number of Users: 16

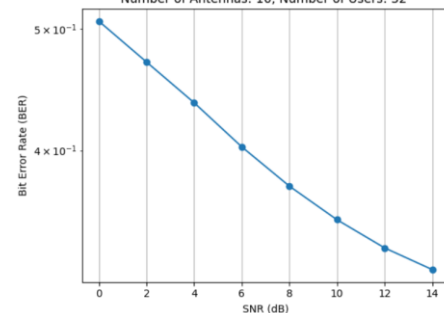


N=64

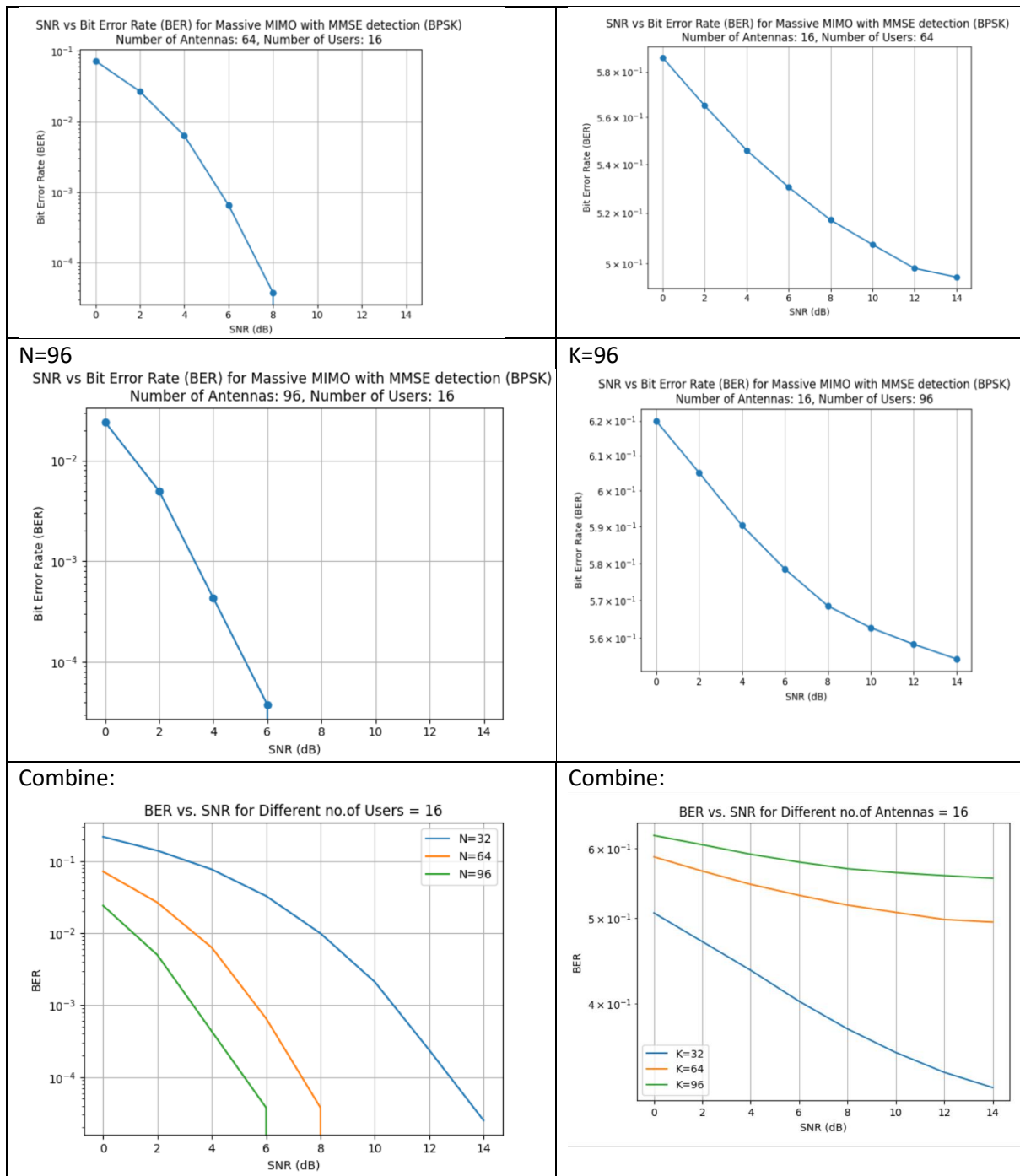
N=16

K=32

SNR vs Bit Error Rate (BER) for Massive MIMO with MMSE detection (BPSK)
Number of Antennas: 16, Number of Users: 32



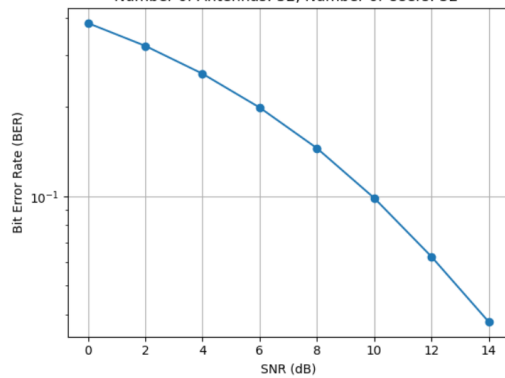
K=64



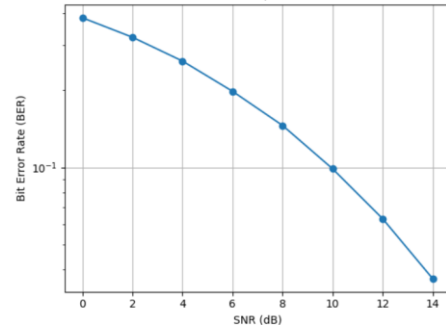
For) 32

K=32	N=32
N=32	K=32

SNR vs Bit Error Rate (BER) for Massive MIMO with MMSE detection (BPSK)
Number of Antennas: 32, Number of Users: 32

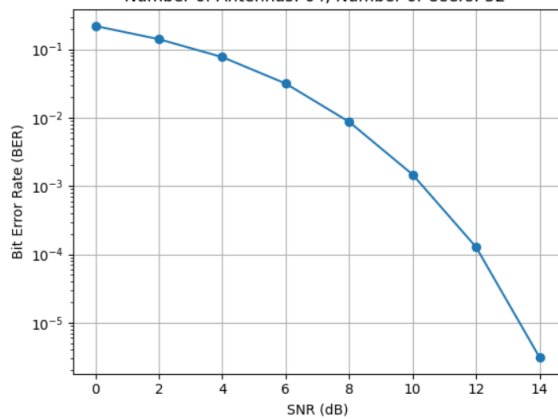


SNR vs Bit Error Rate (BER) for Massive MIMO with MMSE detection (BPSK)
Number of Antennas: 32, Number of Users: 32



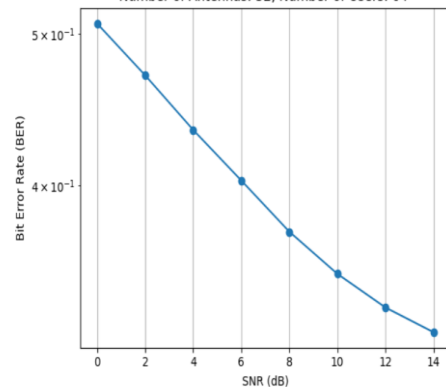
N=64

SNR vs Bit Error Rate (BER) for Massive MIMO with MMSE detection (BPSK)
Number of Antennas: 64, Number of Users: 32



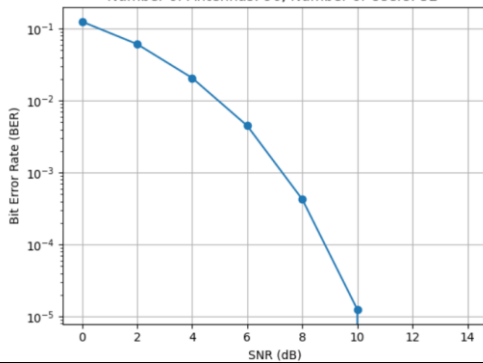
K=64

SNR vs Bit Error Rate (BER) for Massive MIMO with MMSE detection (BPSK)
Number of Antennas: 32, Number of Users: 64



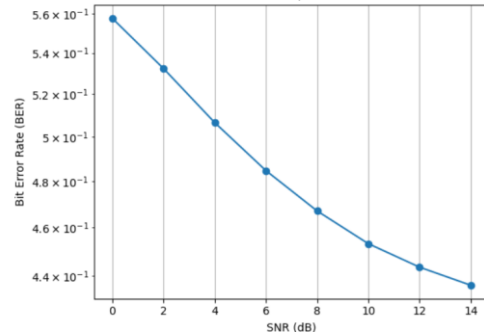
N=96

SNR vs Bit Error Rate (BER) for Massive MIMO with MMSE detection (BPSK)
Number of Antennas: 96, Number of Users: 32

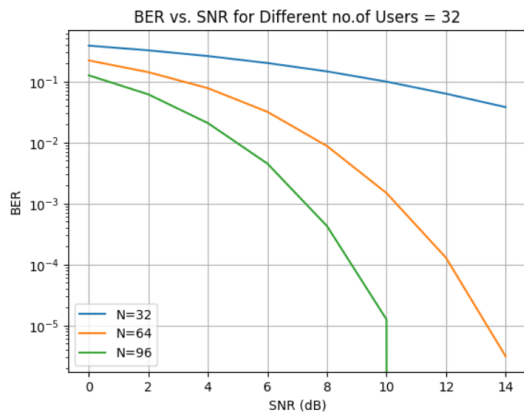


K=96

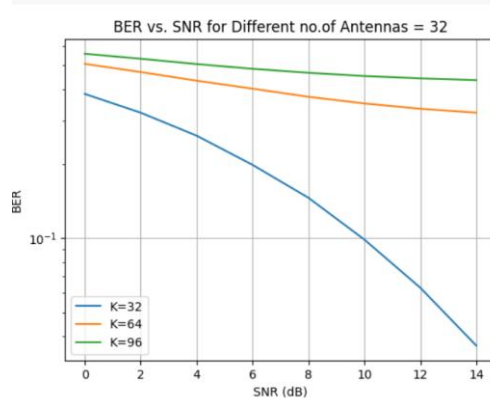
SNR vs Bit Error Rate (BER) for Massive MIMO with MMSE detection (BPSK)
Number of Antennas: 32, Number of Users: 96



Combine:



Combine:

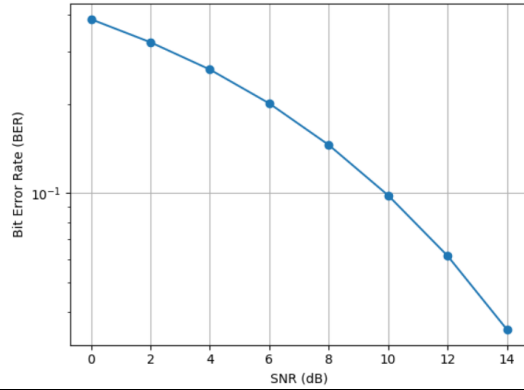


For) 64

K=64

N=64

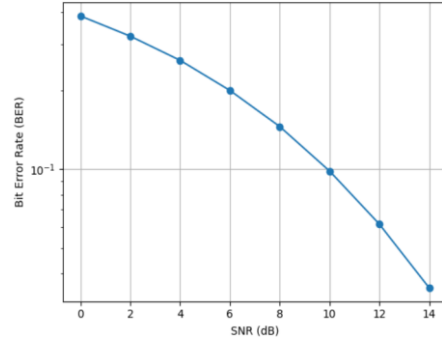
SNR vs Bit Error Rate (BER) for Massive MIMO with MMSE detection (BPSK)
Number of Antennas: 64, Number of Users: 64



N=64

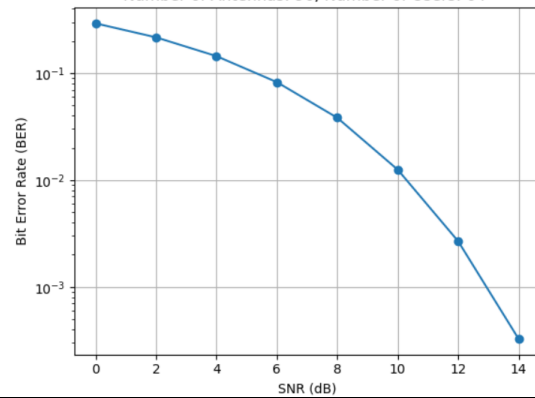
K=64

SNR vs Bit Error Rate (BER) for Massive MIMO with MMSE detection (BPSK)
Number of Antennas: 64, Number of Users: 64



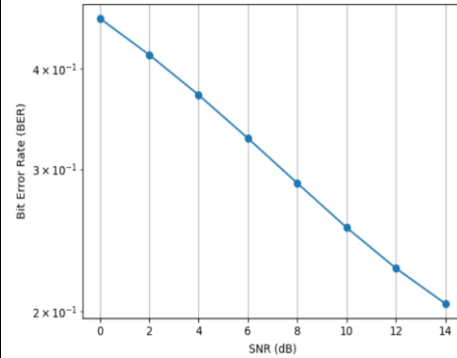
N=96

SNR vs Bit Error Rate (BER) for Massive MIMO with MMSE detection (BPSK)
Number of Antennas: 96, Number of Users: 64



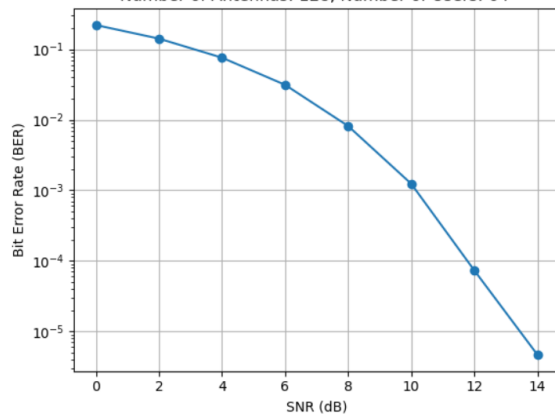
K=96

SNR vs Bit Error Rate (BER) for Massive MIMO with MMSE detection (BPSK)
Number of Antennas: 64, Number of Users: 96



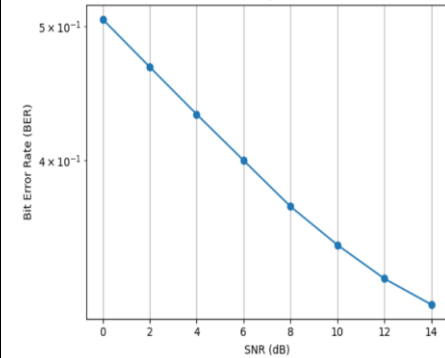
N=128

SNR vs Bit Error Rate (BER) for Massive MIMO with MMSE detection (BPSK)
Number of Antennas: 128, Number of Users: 64



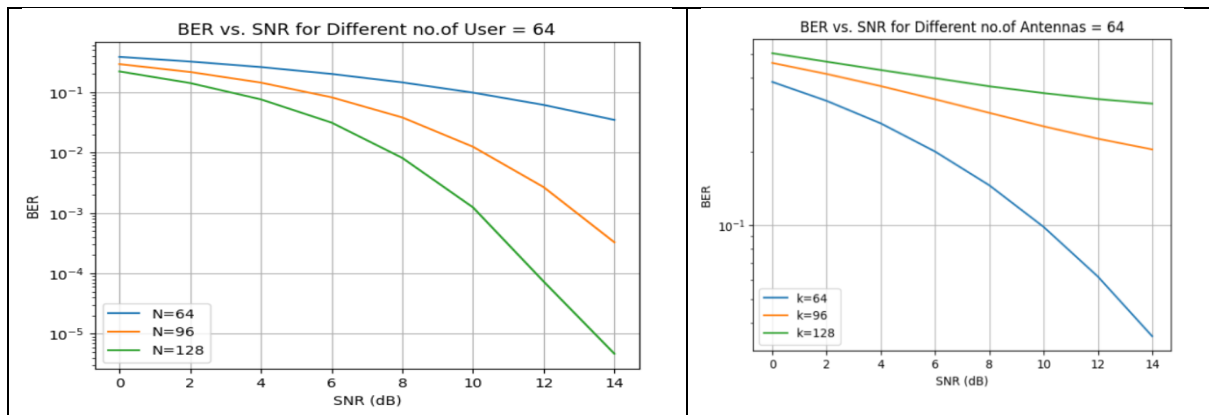
K=128

SNR vs Bit Error Rate (BER) for Massive MIMO with MMSE detection (BPSK)
Number of Antennas: 64, Number of Users: 128

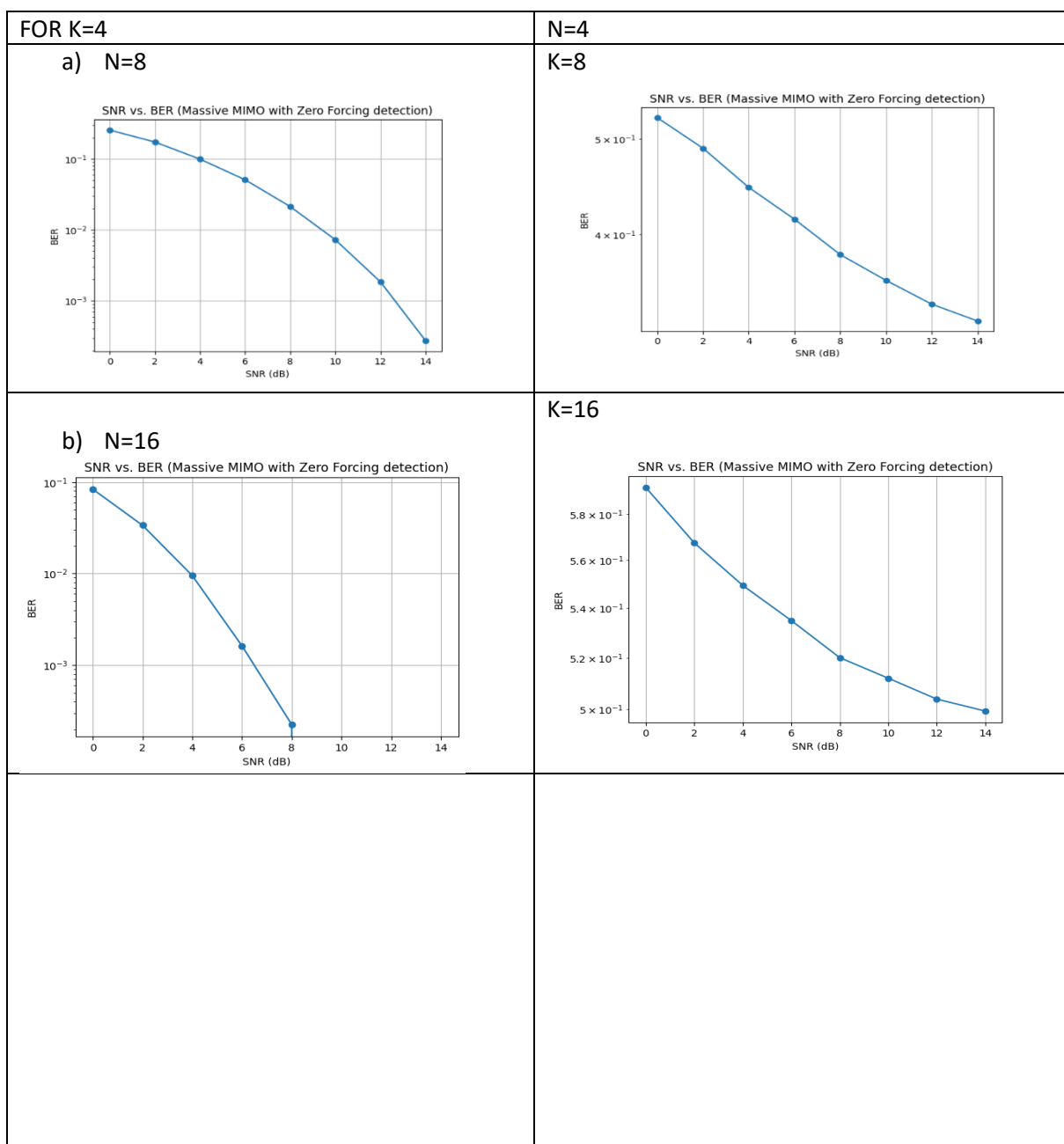


Combine:

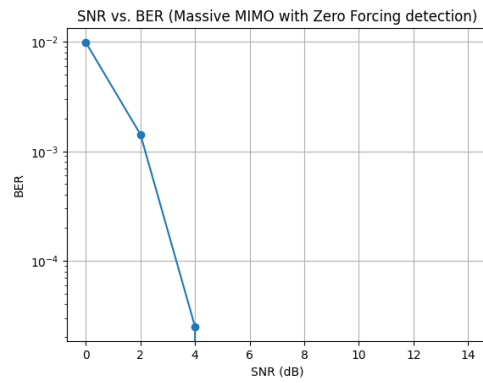
Combines:



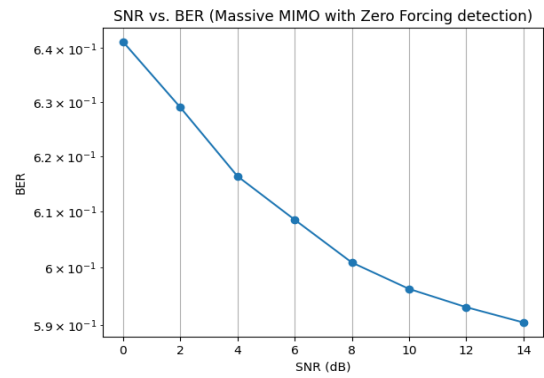
B)ZERO FORCING :



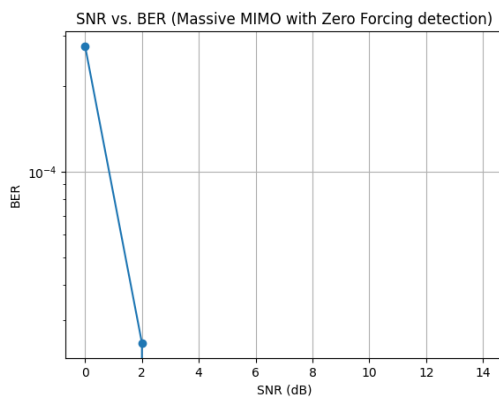
N=32



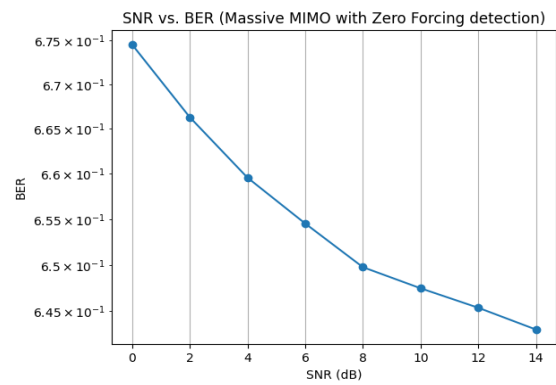
K=32



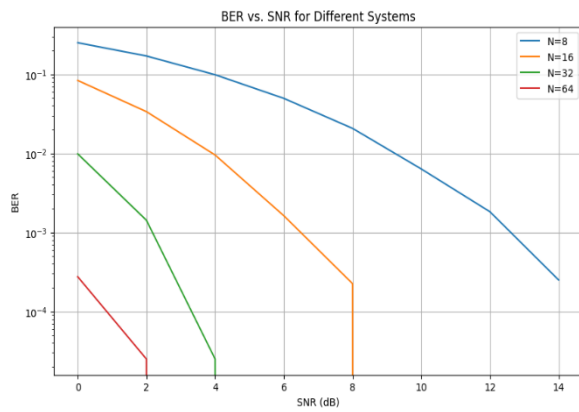
N=64



K=64



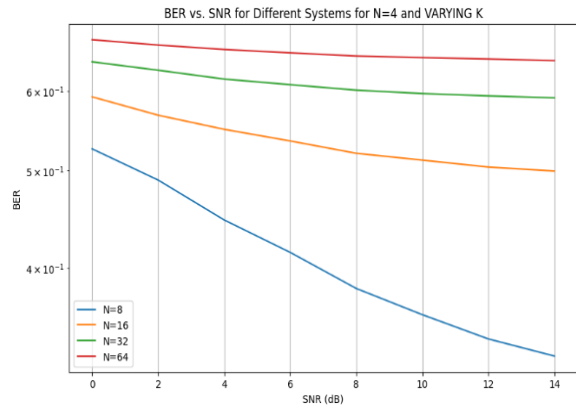
COMBINED



K=8

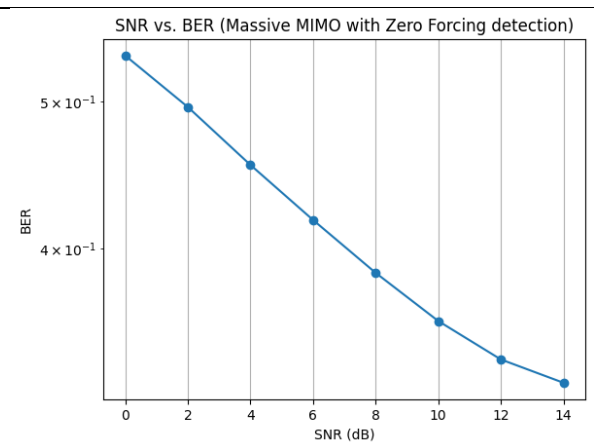
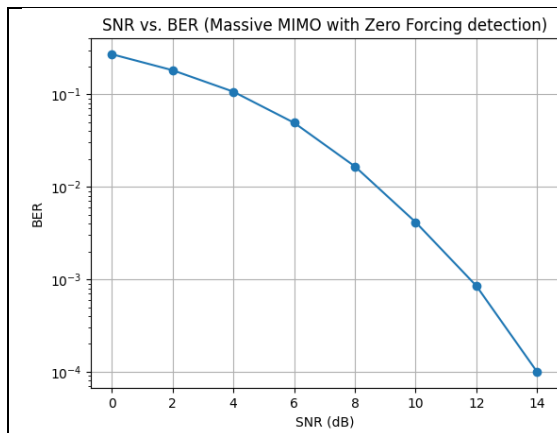
N=16

COMBINED

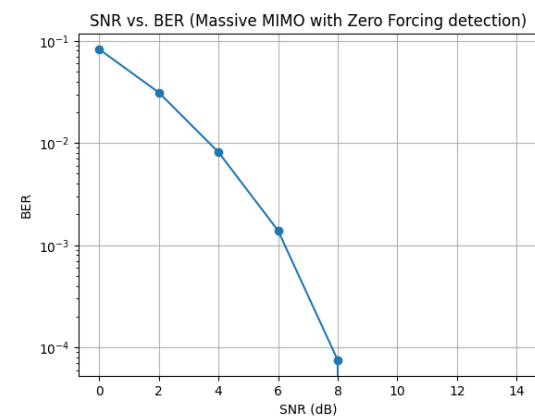


N=8

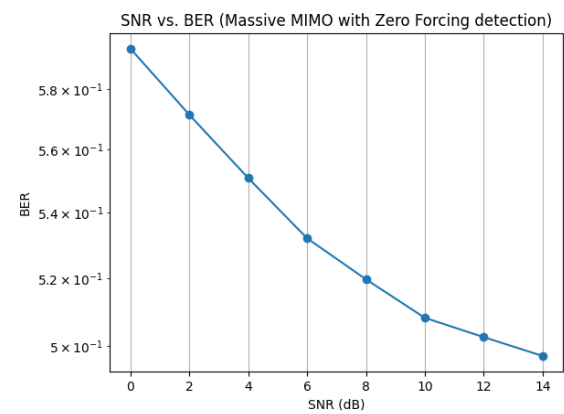
K=16



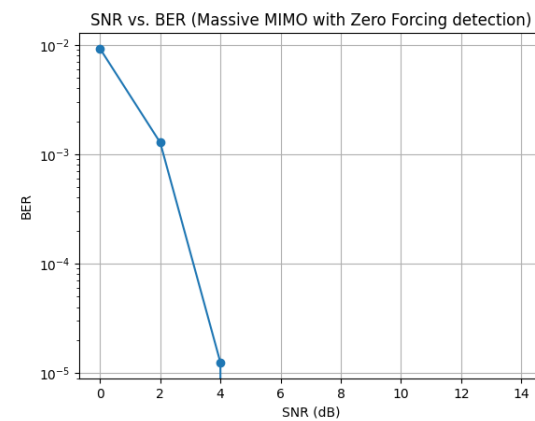
N=32



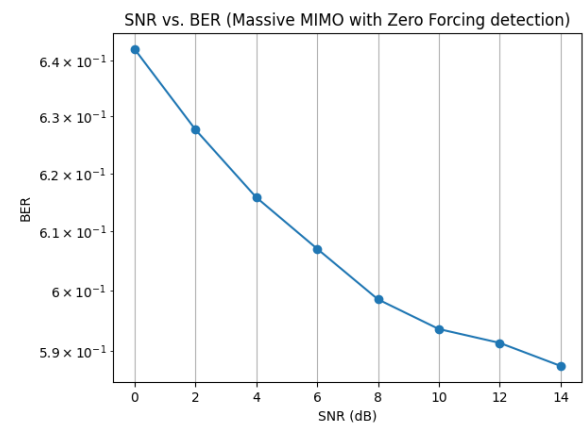
K=32



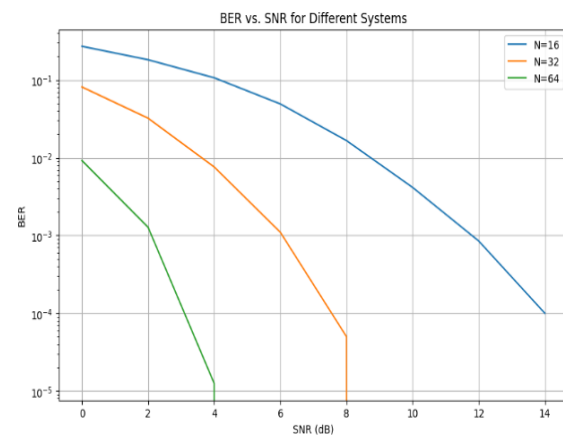
N=64



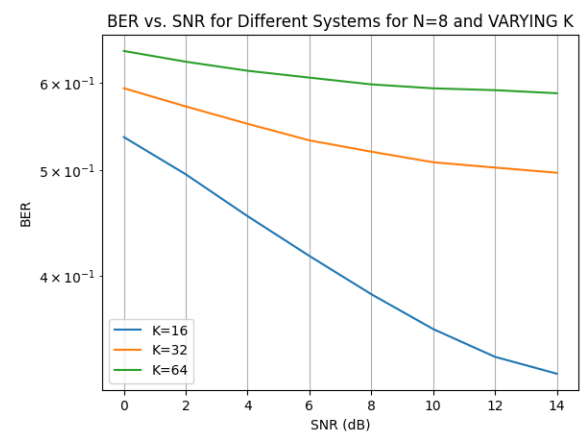
K=64



COMBINED

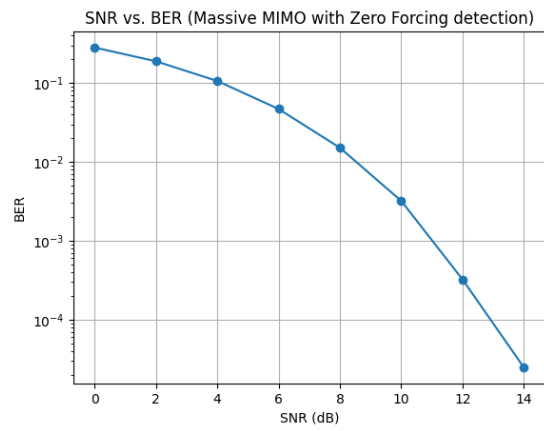


COMBINED



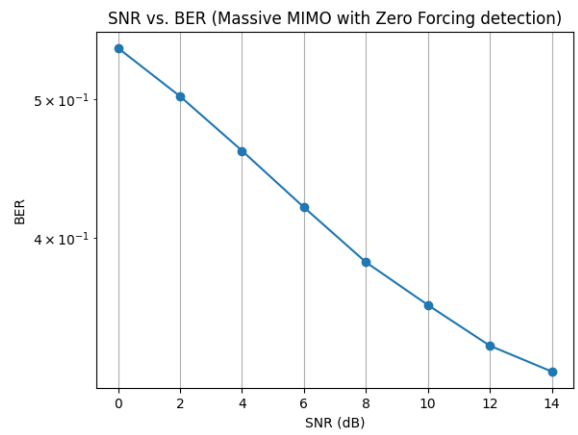
K=16

N=32

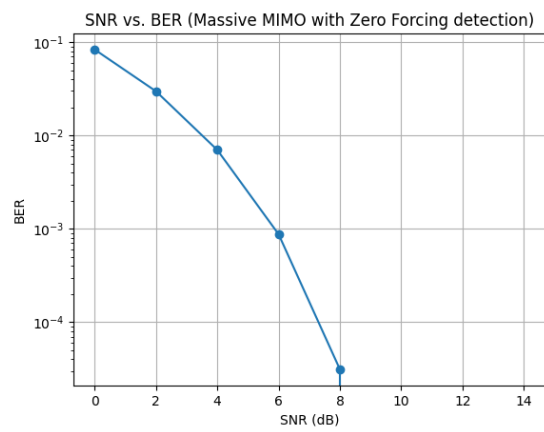


N=16

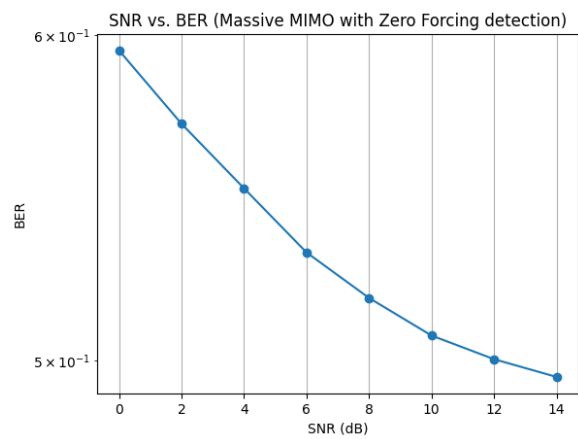
K=32



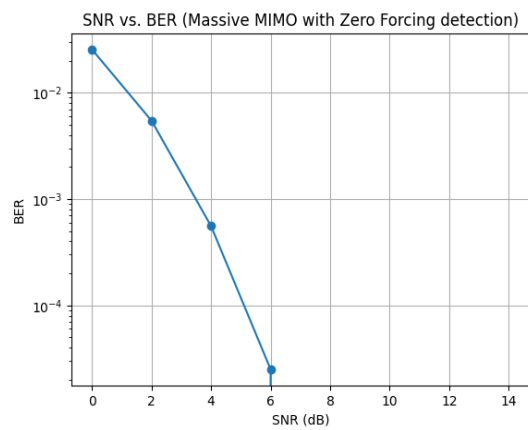
N=64



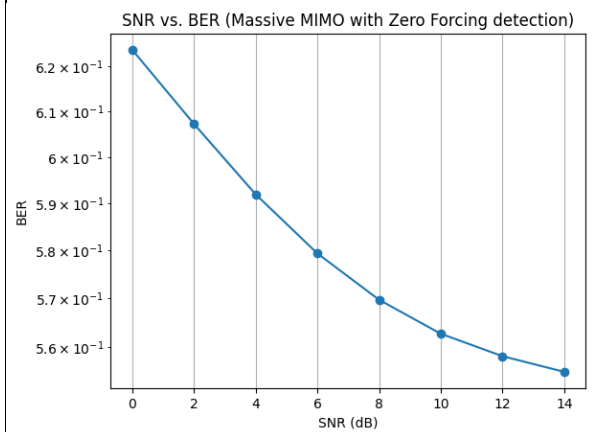
K=64



N=96

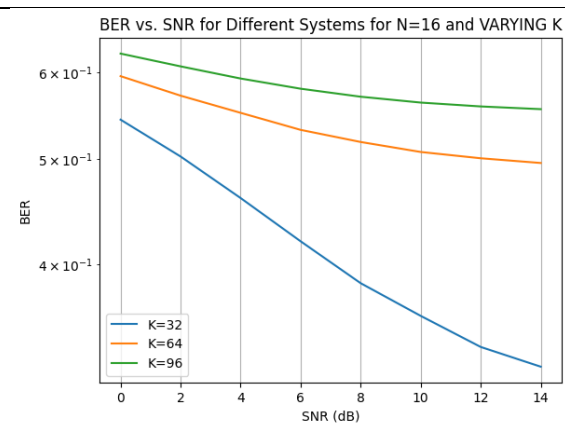
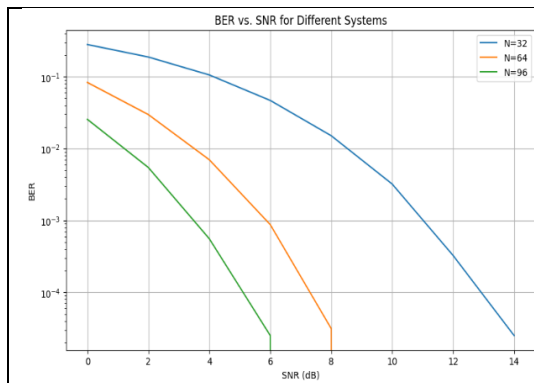


K=96



COMBINED

COMBINED

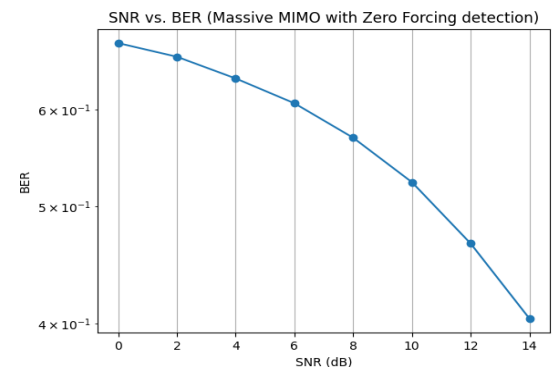
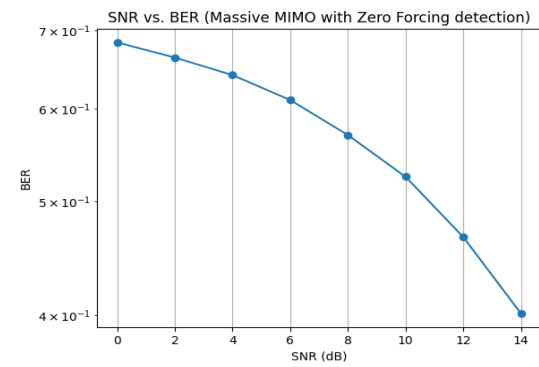


K=32

N=32

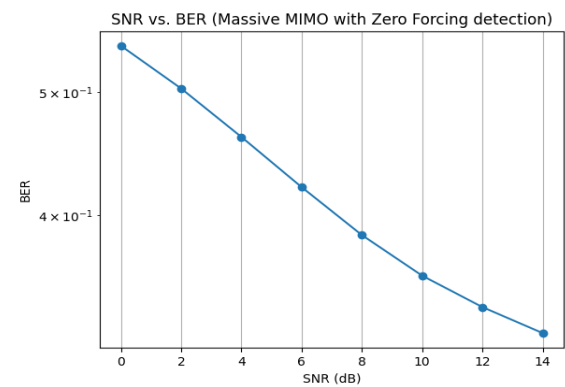
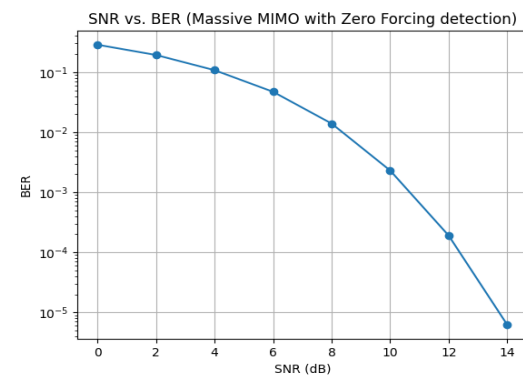
N=32

K=32



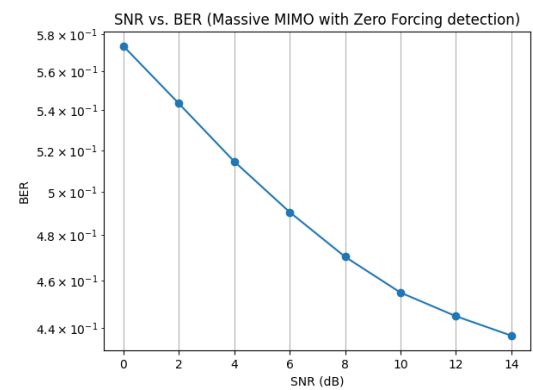
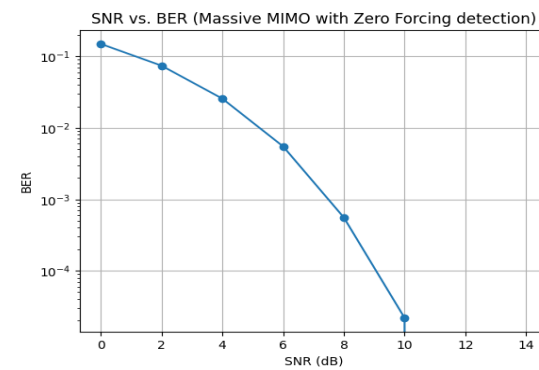
N=64

K=64



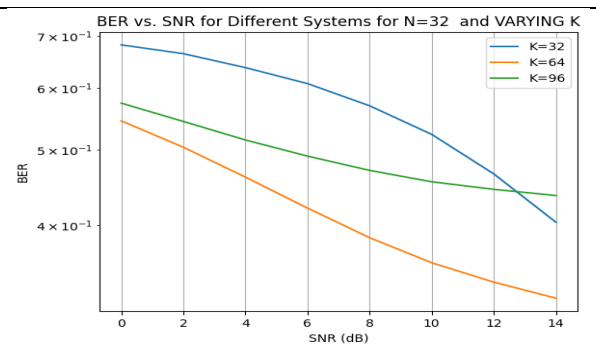
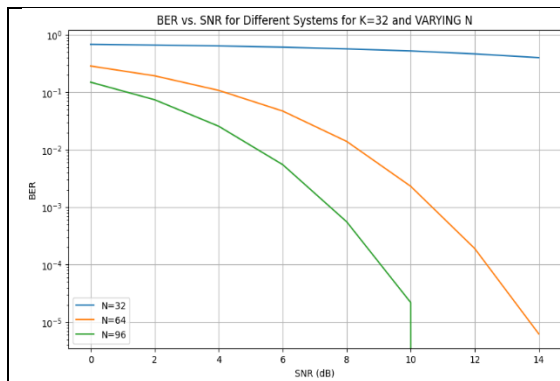
N=96

K=96



COMBINED

COMBINED

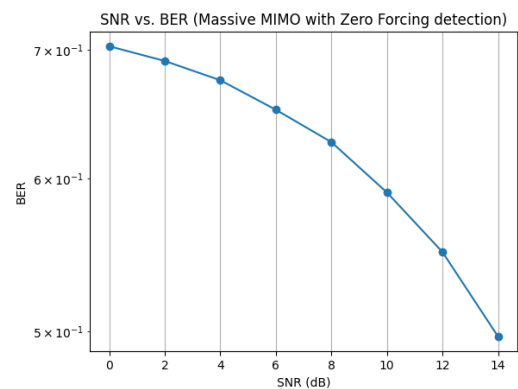
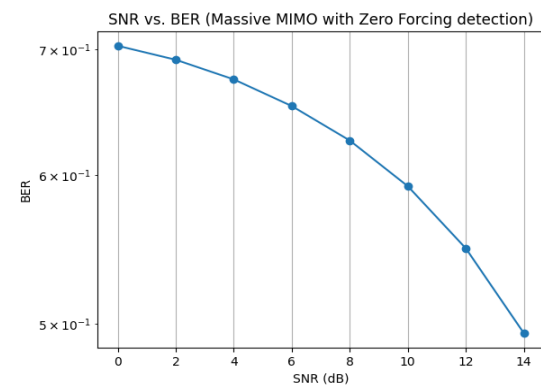


K=64

N=64

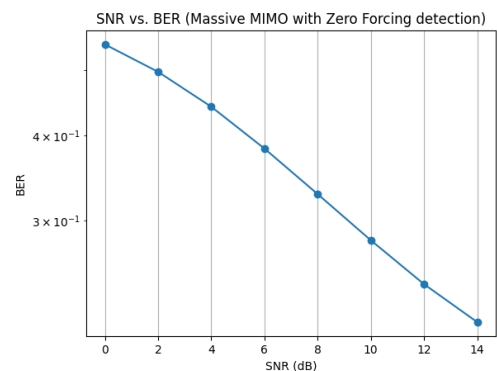
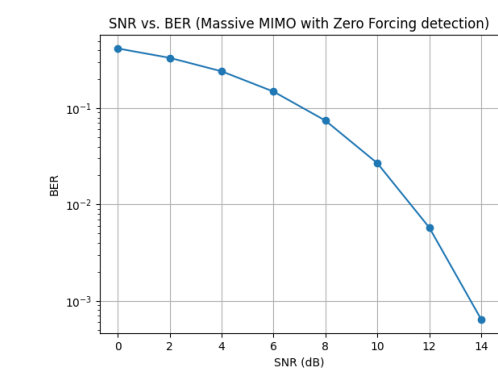
N=64

K=64



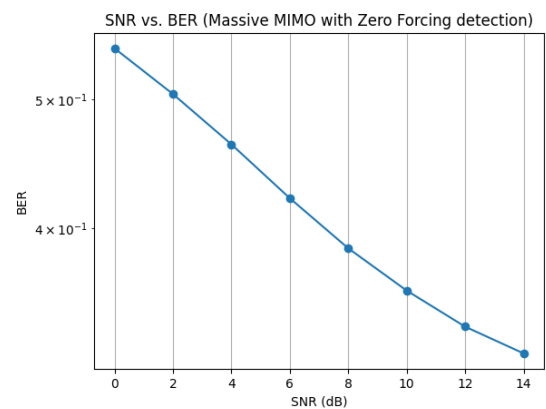
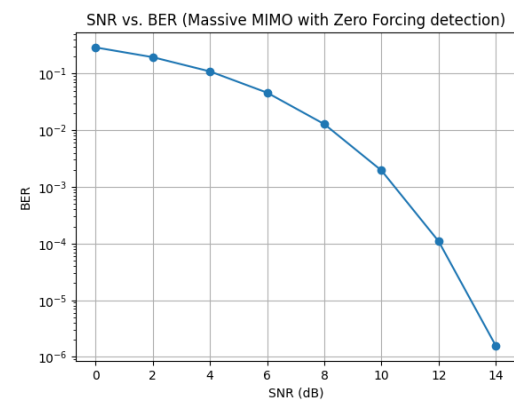
N=96

K=96



N=128

K=128



COMBINED

COMBINED

