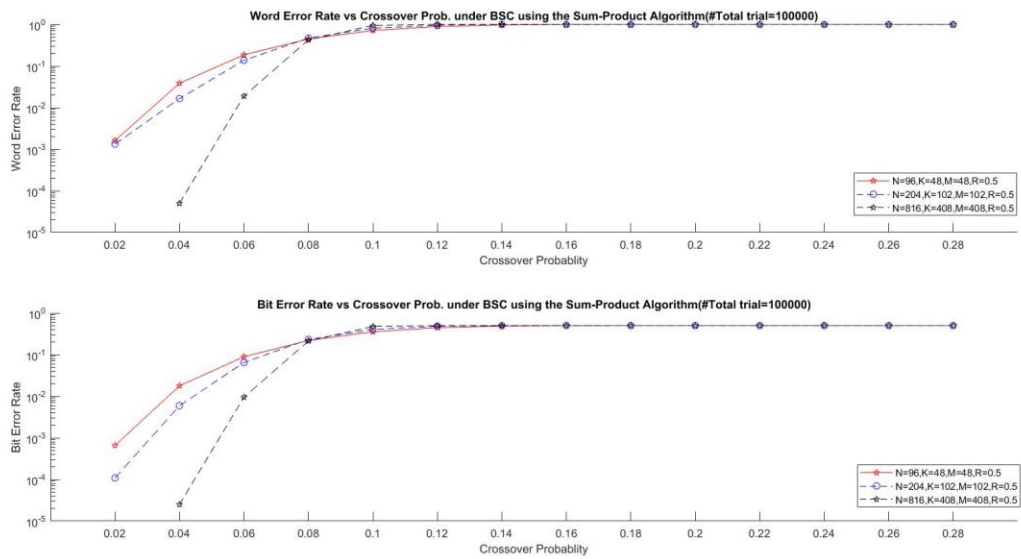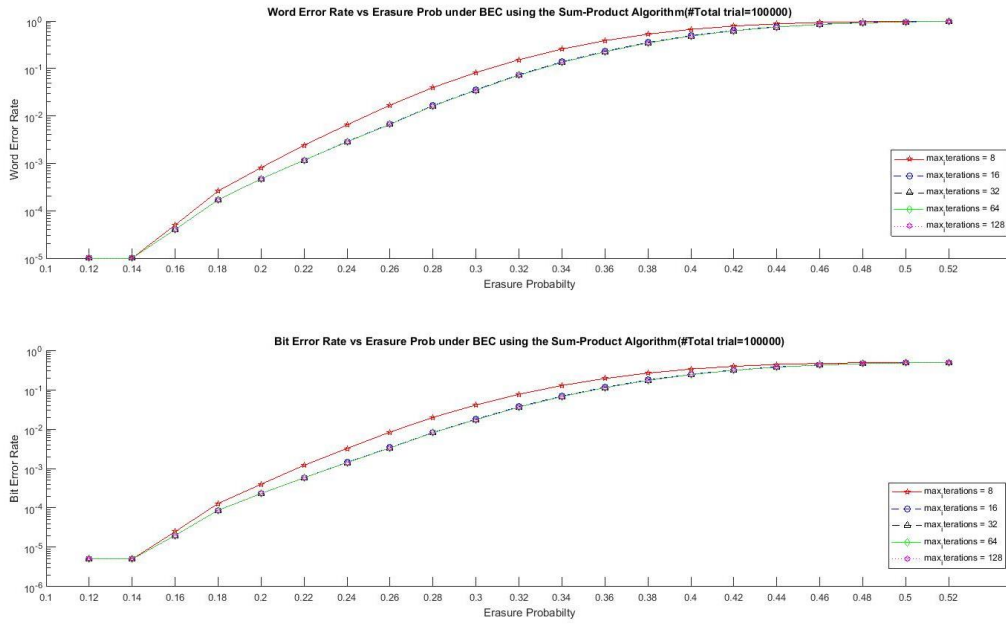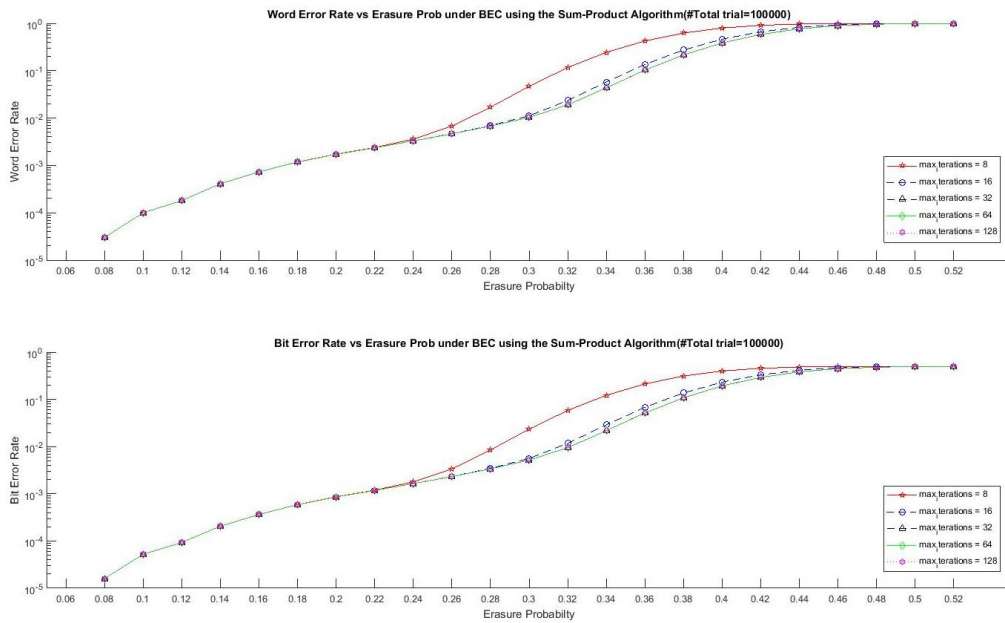BER & WER Performance using different LDPC codes under *AWGN* Channel

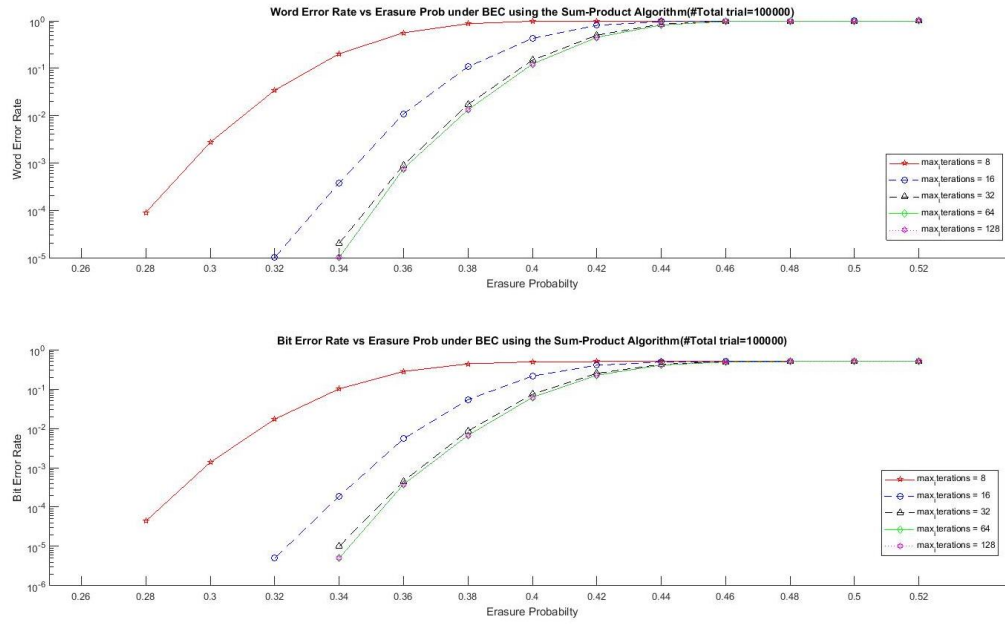
BER & WER Performance using different LDPC codes under *BSC*

Word Error Rate vs Erasure Prob under BEC using the Sum-Product Algorithm(#Total trial=100000)

Word Error Rate

Erasure Probabilty

max_iterations = 8
max_iterations = 16
max_iterations = 32
max_iterations = 64
max_iterations = 128

Bit Error Rate vs Erasure Prob under BEC using the Sum-Product Algorithm(#Total trial=100000)

Bit Error Rate

Erasure Probabilty

max_iterations = 8
max_iterations = 16
max_iterations = 32
max_iterations = 64
max_iterations = 128

BER & WER Performance using (96.3.963 (N=96,K=48,M=48,R=0.5)) codes under *BEC*

with different max_iterations

Word Error Rate vs Erasure Prob under BEC using the Sum-Product Algorithm(#Total trial=100000)

Word Error Rate

Erasure Probabilty

max_iterations = 8
max_iterations = 16
max_iterations = 32
max_iterations = 64
max_iterations = 128

Bit Error Rate vs Erasure Prob under BEC using the Sum-Product Algorithm(#Total trial=100000)

Bit Error Rate

Erasure Probabilty

max_iterations = 8
max_iterations = 16
max_iterations = 32
max_iterations = 64
max_iterations = 128

BER & WER Performance using (204.33.486 N=204,K=102,M=102,R=0.5) codes under *BEC*

with different max_iterations

BER & WER Performance using (816.3.174 (N=816,K=408,M=408,R=0.5)) codes under **BEC**

with different max_iterations