

Communications Report

Coherent and non-coherent demodulation

SEM Third Year

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Team Members

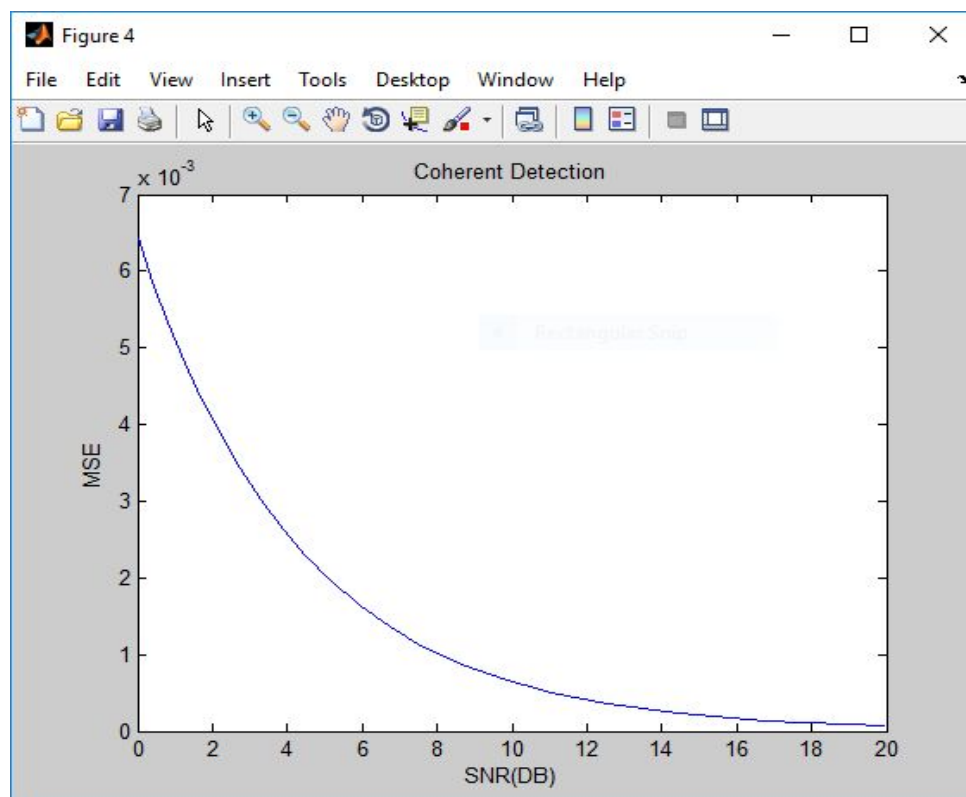
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Introduction

This report demonstrated the conclusion that we have reached by applying coherent and non-coherent demodulation by using matlab.

Coherent Demodulation

The following figure shows the plot of MSE on y-axis versus SNR on x-axis for coherent demodulation.



Non-coherent Demodulation

DC -Bias added (A)=

Power efficiency=(AverageSignalPower)/(AverageSignalPower+(A*A))=

The following figure shows the plot of MSE on y-axis versus SNR on x-axis for non-coherent demodulation

