



# **Digital Communication**

## **Assignment 1**

Information

Name	Sec	Bn
Sara Bisheer Fikry	1	18
Menna Mohamed Abdelbaset	2	26

Table of Figures

Figure 1 ..... 3

Figure 2 ..... 4

Figure 3 ..... 5

Figure 4 ..... 6

Figure 5 ..... 7

# Uniform Quantizer (Midrise)

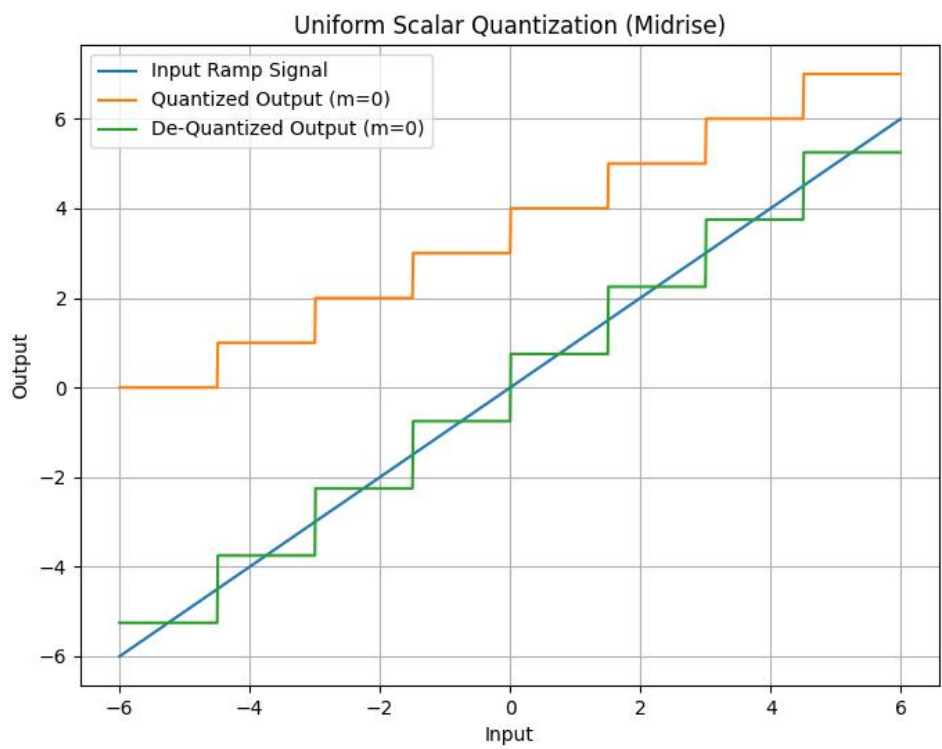


Figure 1

## Uniform Quantizer (Midread)

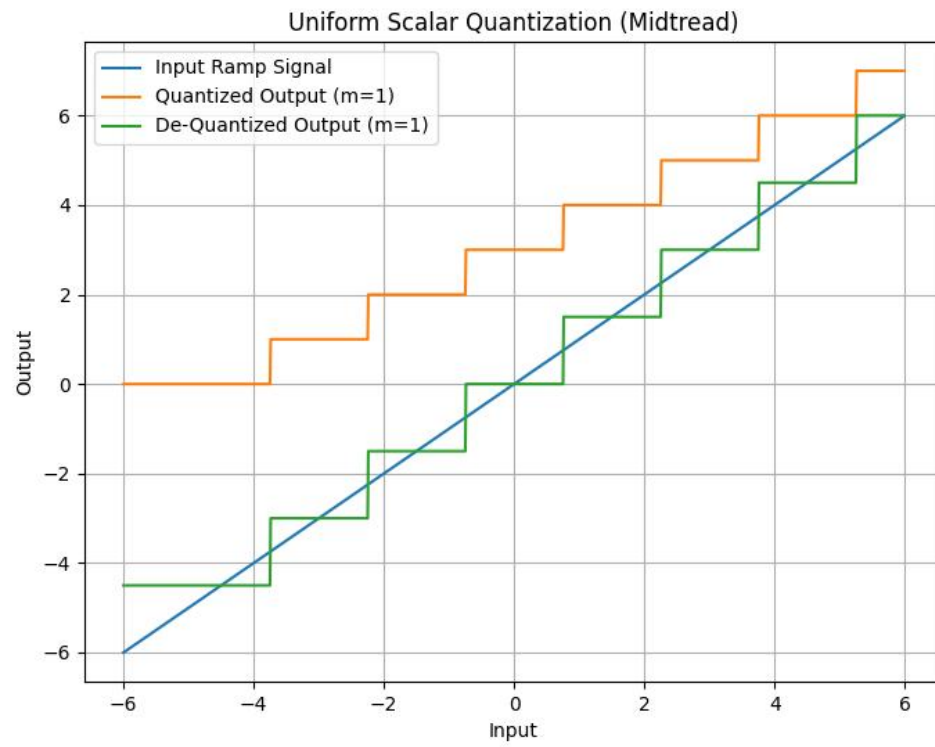


Figure 2

## Simulation SNR And Theoretical SNR Uniform Quantizer (uniform input)

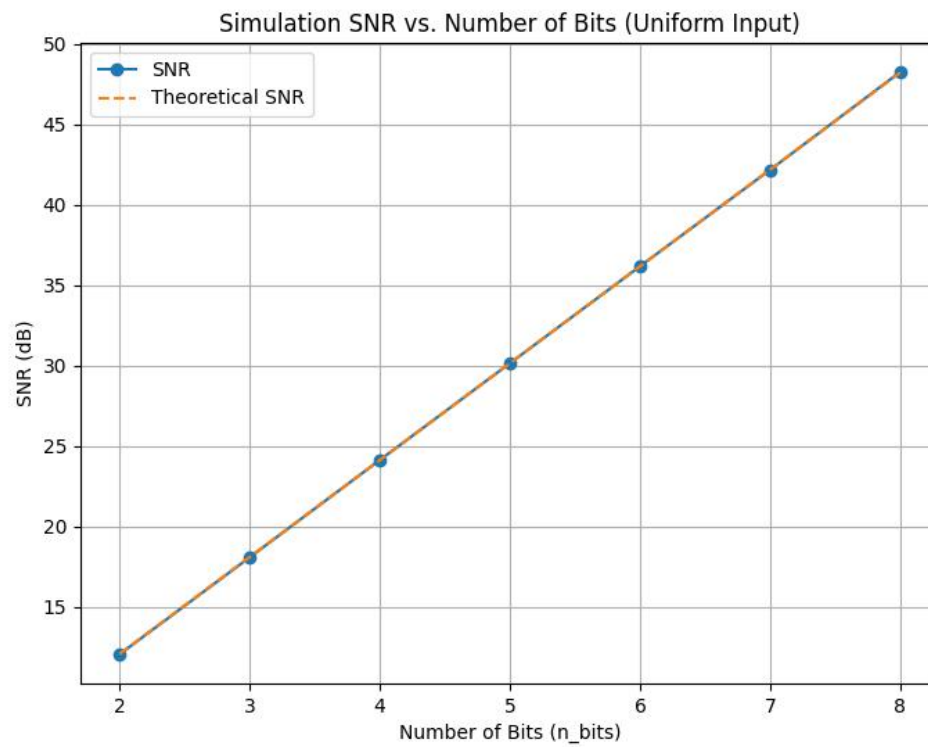


Figure 3

## Simulation SNR And Theoretical SNR Uniform Quantizer (nonuniform input)

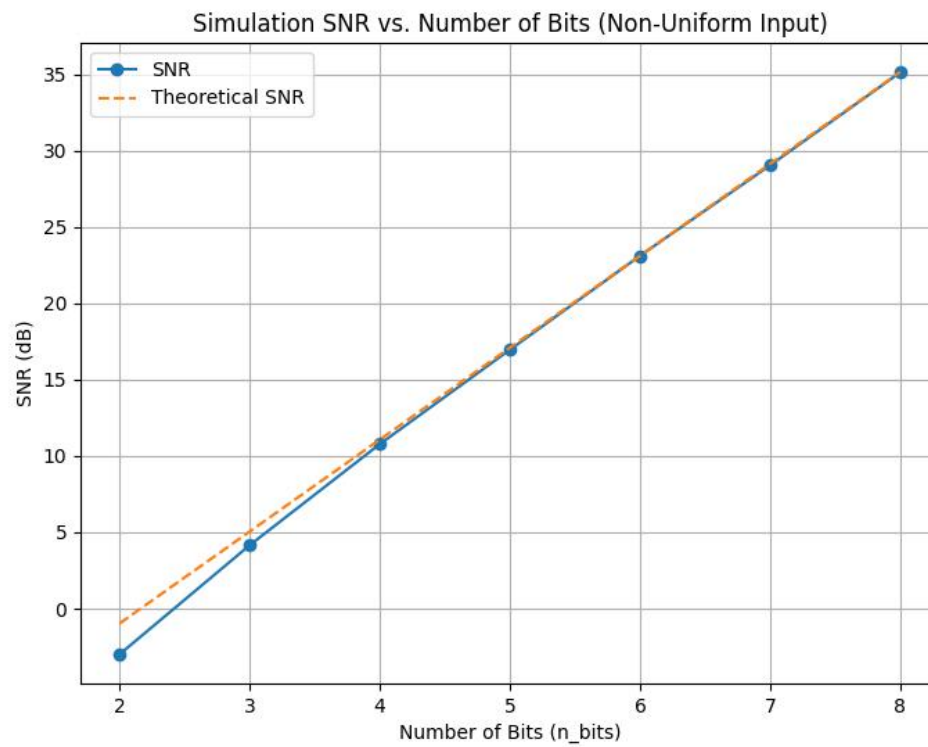


Figure 4

## Simulation SNR And Theoretical Nonuniform Quantizer (nonuniform input)

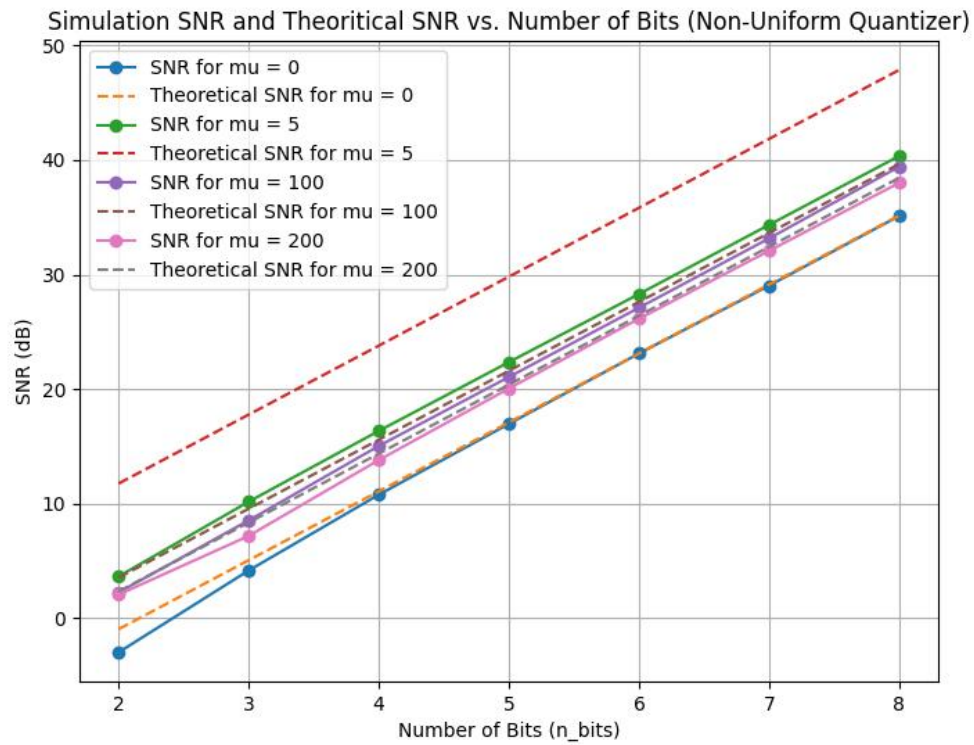


Figure 5