Lab Assignment

Imports, Functions and Variables

A screen shot of a computer program

Description automatically generated

Part A

* **Problem A.1**

Code:

A computer screen shot of text

Description automatically generated

Results:

**A diagram of a graph

Description automatically generated**

* **Problem A.2**

Code:

A computer screen shot of text

Description automatically generated

Results:

**A graph with red lines

Description automatically generated**

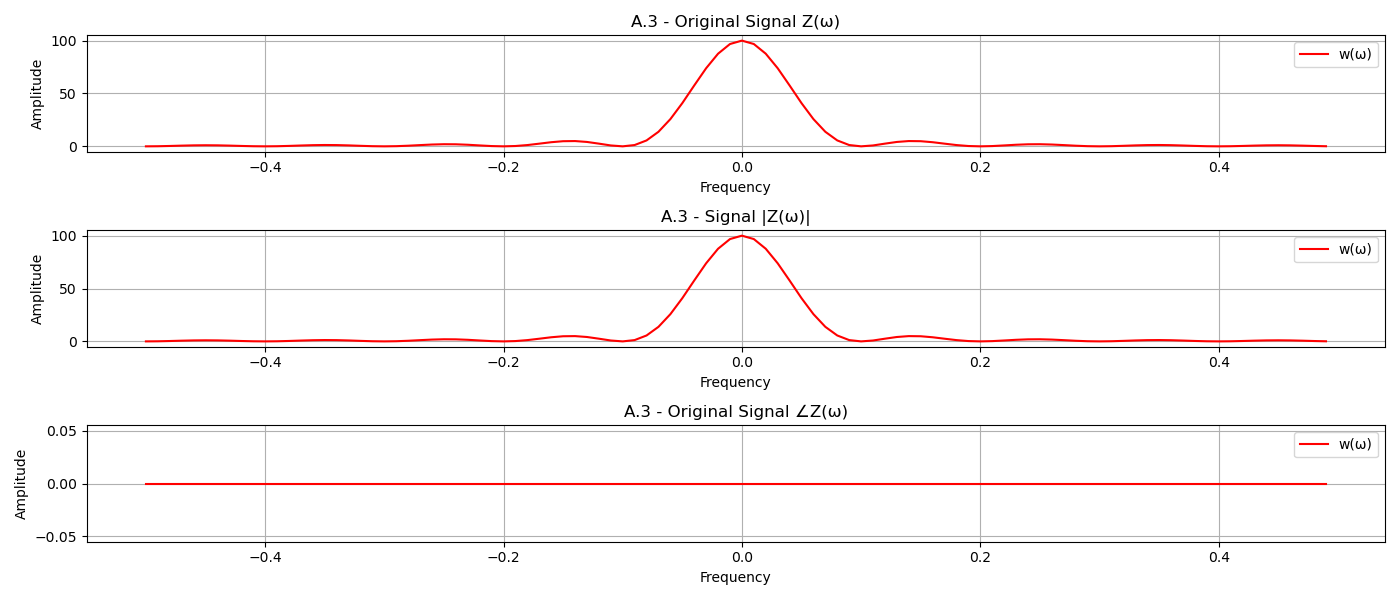
* **Problem A.3**

Code:

A black background with colorful lights

Description automatically generated

Results:

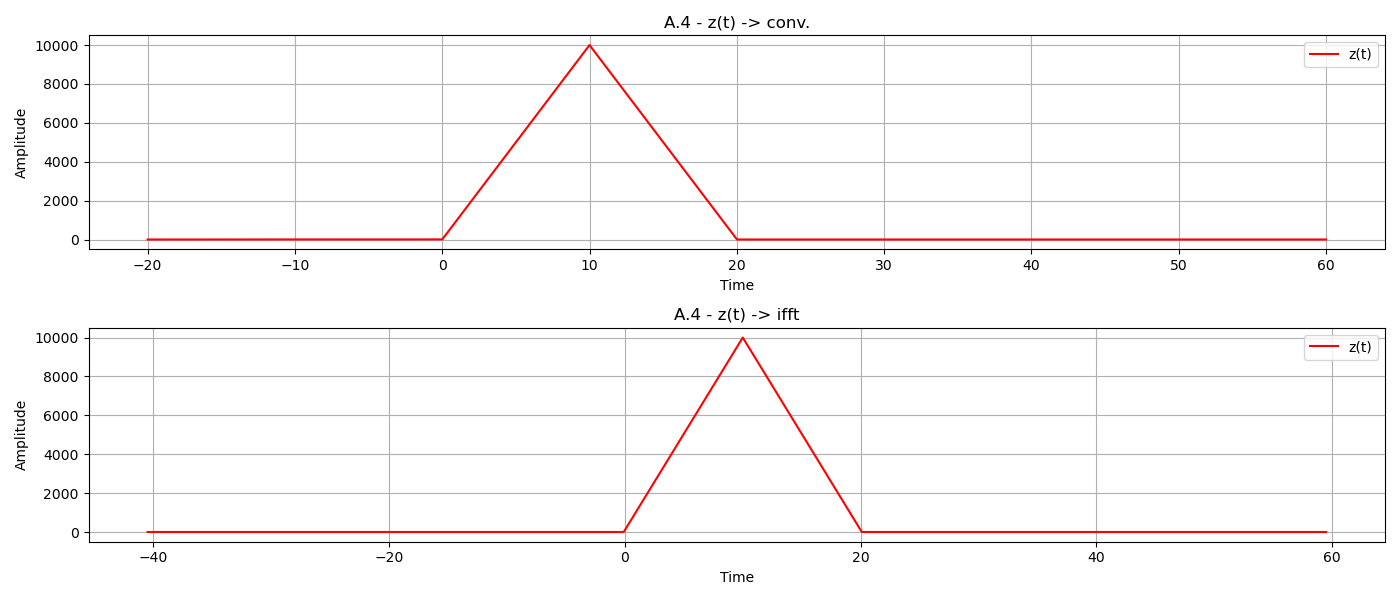
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* **Problem A.4**

Code:

A black background with many small lights

Description automatically generated with medium confidence

Results:

* **Problem A.5**

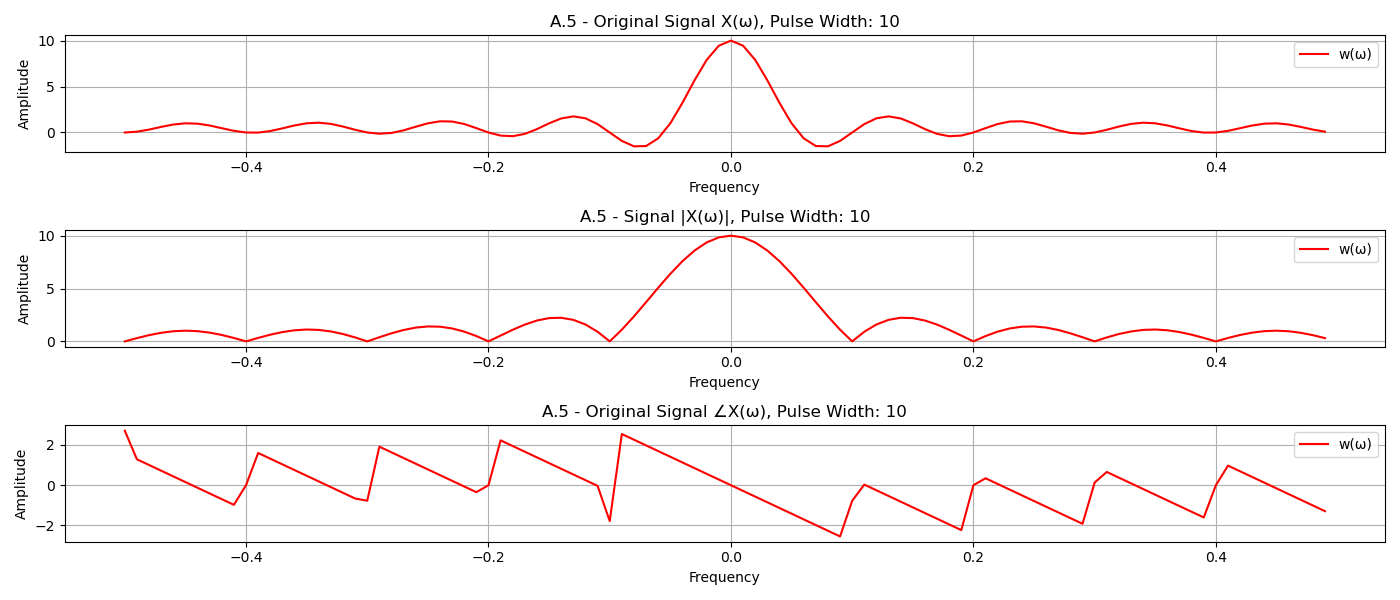
Code:

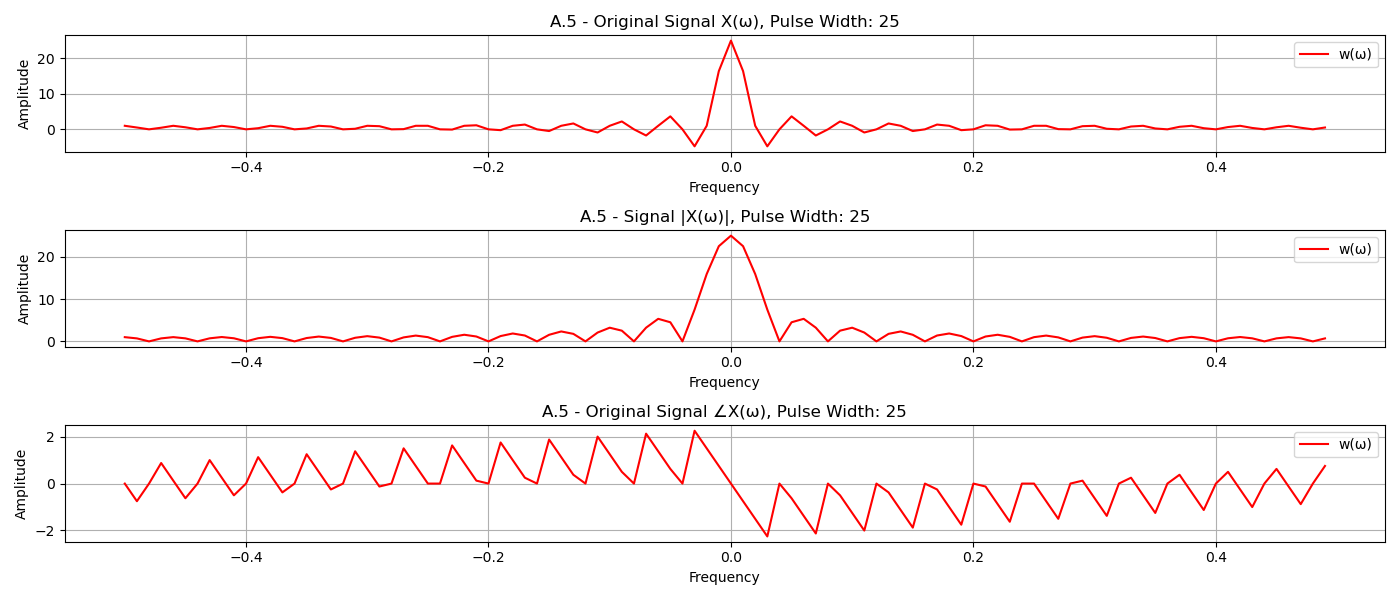
A computer screen shot of colorful text

Description automatically generated

Results: A diagram of a graph

Description automatically generated





* **Problem A.6**

Code:

A screenshot of a computer program

Description automatically generated

Results:

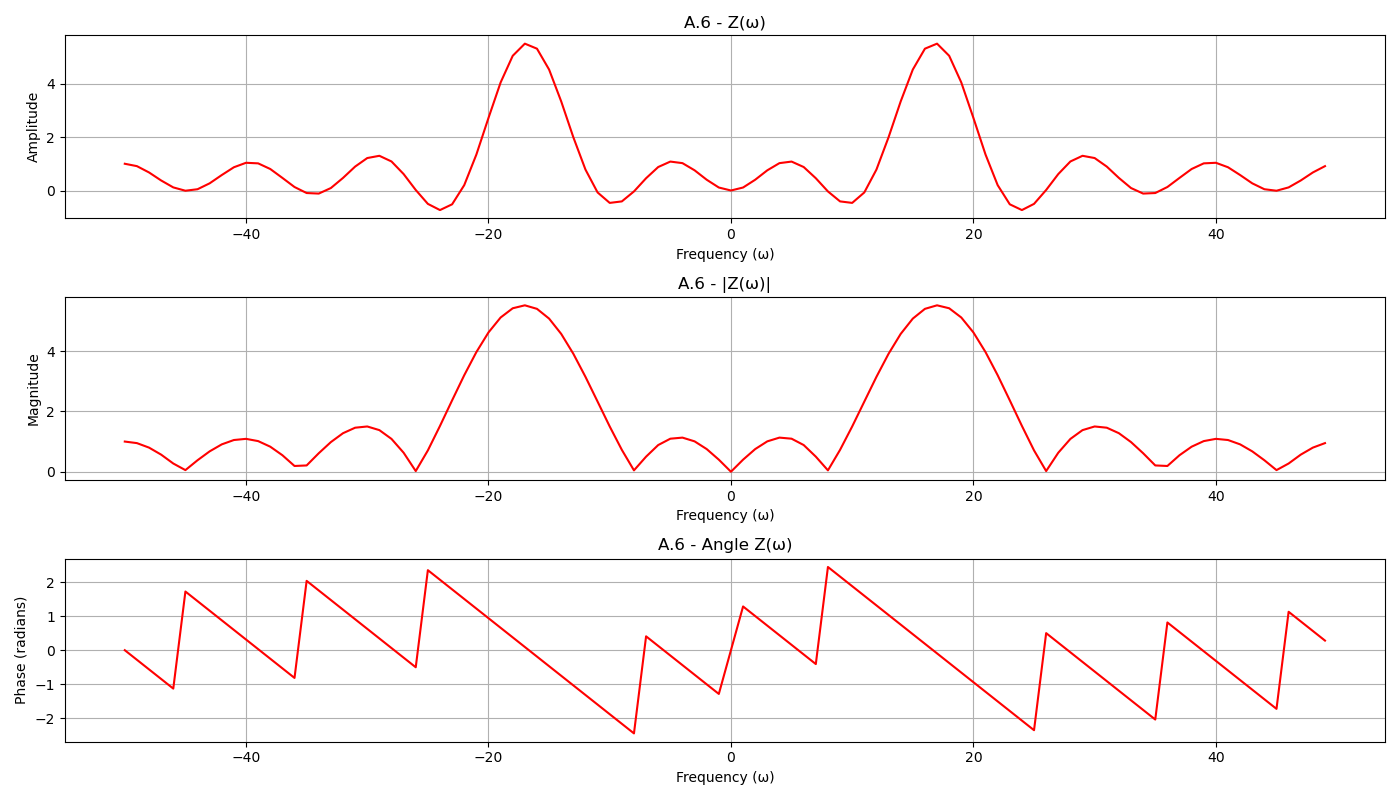
Xf=A graph of a graph

Description automatically generated with medium confidence

Yf=A graph of a graph

Description automatically generated with medium confidence

Zf=



Part B. Application of the Fourier Transform

* **Problem B.1**

Code:

A screen shot of a computer program

Description automatically generated

A screen shot of a computer program

Description automatically generated

* Results:

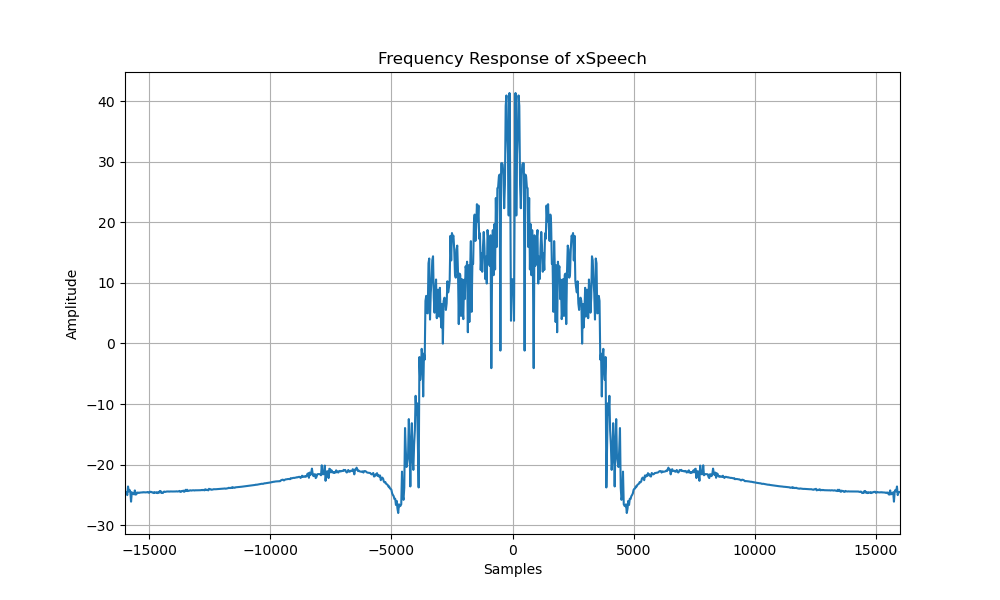
Initial Analysis:

A graph of a frequency

Description automatically generated with medium confidence

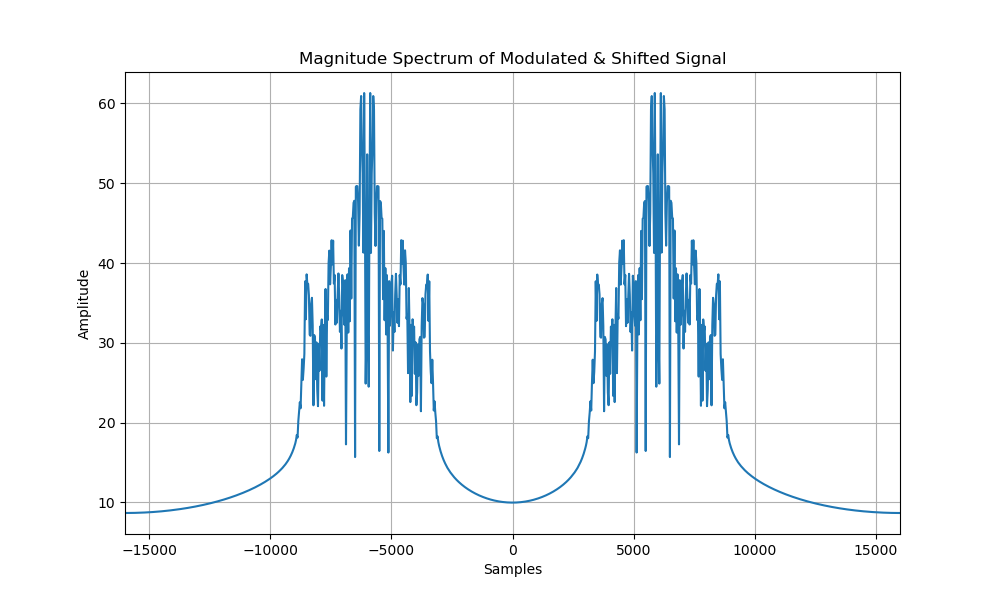
A graph of a frequency

Description automatically generated



Encoding: A graph of a graph showing a blue line

Description automatically generated with medium confidence

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**A graph of a signal

Description automatically generated**

Decoding:

A graph of a graph showing a number of different types of signal

Description automatically generated with medium confidence

A graph of a graph showing a blue line

Description automatically generated

