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3.4

```
clc;clear;close all
```

Part(a) Fill in the values

```
fs = 1000 ;
Amp = 1 ;
T = 1;
tStop = 5;

tt=0:(1/fs):tStop;
xx=Amp*abs(sin(2*pi*tt/T));

Tsect = 5*T;
Lsect = Tsect*fs;
DBrange = 80;

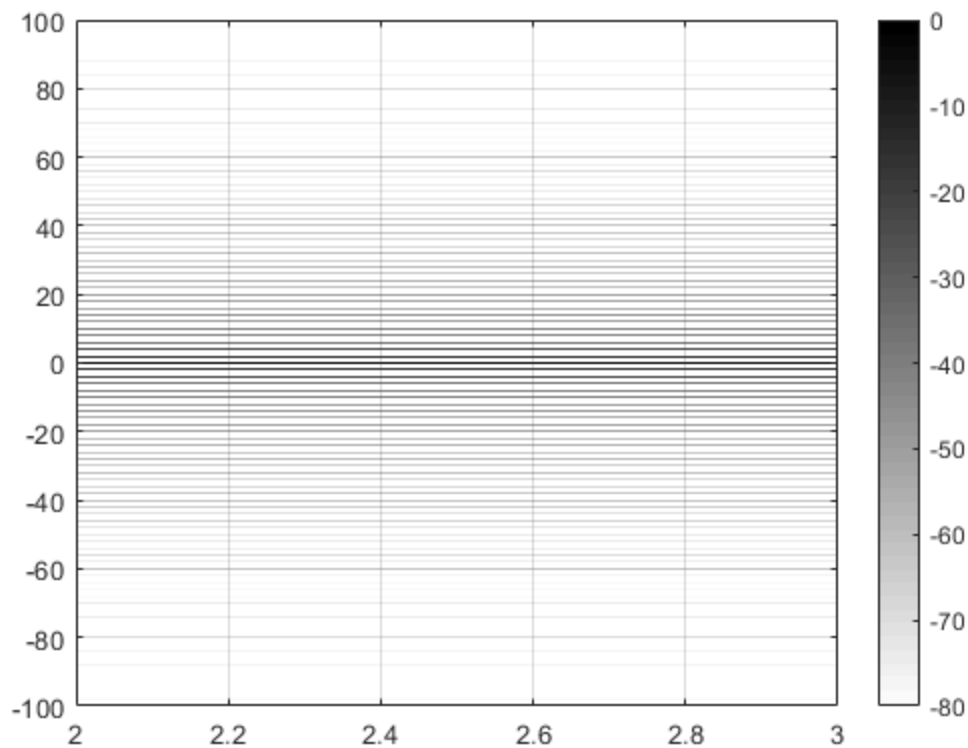
figure
plotspecDB( xx+j*1e-12, fs, Lsect, DBrange), colorbar, grid on %-- with
    negative frequencies
ylim([-100, 100])
```

```
ans =
```

Image with properties:

```
    CData: [5000x1 double]
    CDataMapping: 'scaled'
```

Use GET to show all properties



Part(b) Fill in the values

```
fs = 1000;
Amp = 1;
T = 2;
tStop = 5;

tt=0:(1/fs):tStop;
xx2=Amp*abs(sin(2*pi*tt/T));

Tsect = 2*T;
Lsect = Tsect*fs;
DBrange = 80;

figure
plotspecDB(xx2+j*1e-12, fs, Lsect, DBrange), colorbar, grid on %-- with
    negative frequencies
ylim([-100, 100])

ans =

    Image with properties:

        CData: [4000x1 double]
        CDataMapping: 'scaled'
```

Use GET to show all properties

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