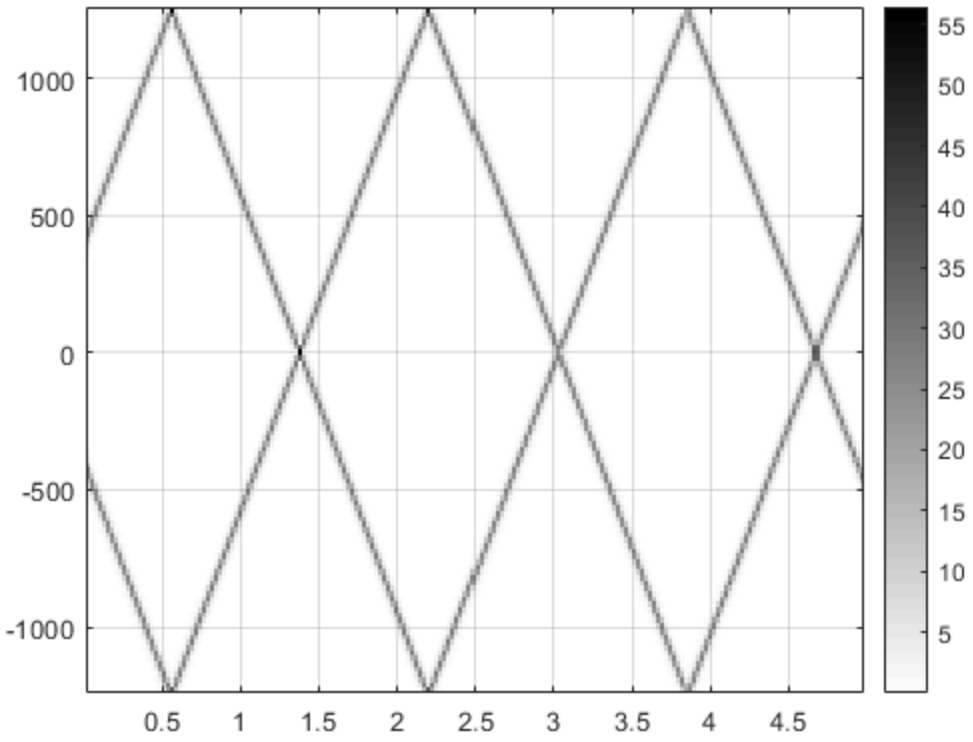
3.1

```
clc; clear; close all

fSamp = 2500; %-Number of time samples per second
dt = 1/fSamp;
tStart = 0;
tStop = 5;
fStart = 400;
fStop = 8000;
tt = tStart:dt:tStop;
mu = 760;
fzero = 400; %"
phi = 2*pi*rand; %-- random phase

Lsect = 128;
Tsect = Lsect/fSamp;
%
psi = 2*pi*mu*tt.^2 + 2*pi*fzero*tt + phi;   %% <================== FILL IN
 THE CODE HERE %
cc = real( exp(j*psi) );
% soundsc( cc, fSamp ); %-- uncomment to hear the sound
plotspec( cc+j*1e-12, fSamp, Lsect ), colorbar, grid on %-- with negative
 frequencies
```

```
ans =

  Image with properties:

          CData: [128×194 double]
    CDataMapping: 'scaled'

  Use GET to show all properties
```



Published with MATLAB® R2022a