

# README:

As we were not able to demonstrate our results using the files provides, we created a signal with to sinusoids, for the demonstration.

## With the music files

- open the **main.m** file.
- In the **annihilating\_filter.m** file make sure  $X = \text{linsolve}(A,b);$  is uncommented and  $X = \text{linsolve}(A,b.');$  is commented.
- Run the **main.m** file

## With the harmonic signals created by hand:

- open the **main\_harmonic\_data.m** file.
- In the **annihilating\_filter.m** file make sure  $X = \text{linsolve}(A,b.');$  is uncommented and  $X = \text{linsolve}(A,b);$  is commented.
- Run the **main\_harmonic\_data.m** file