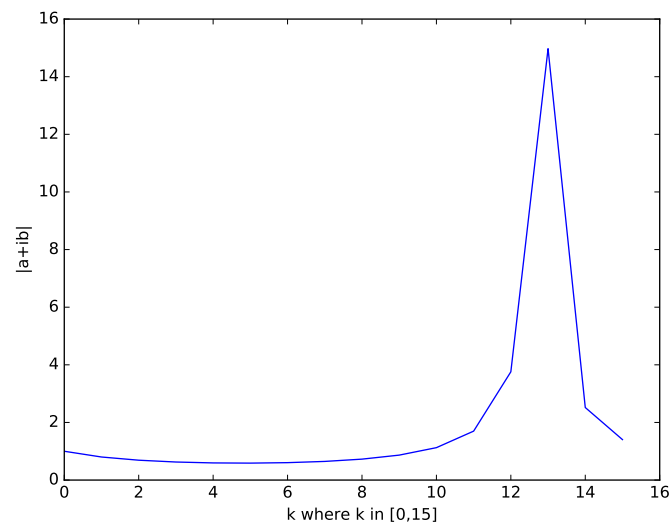


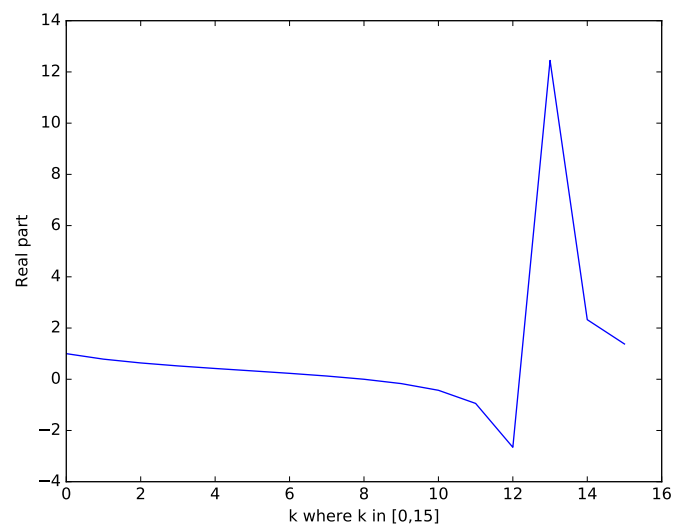
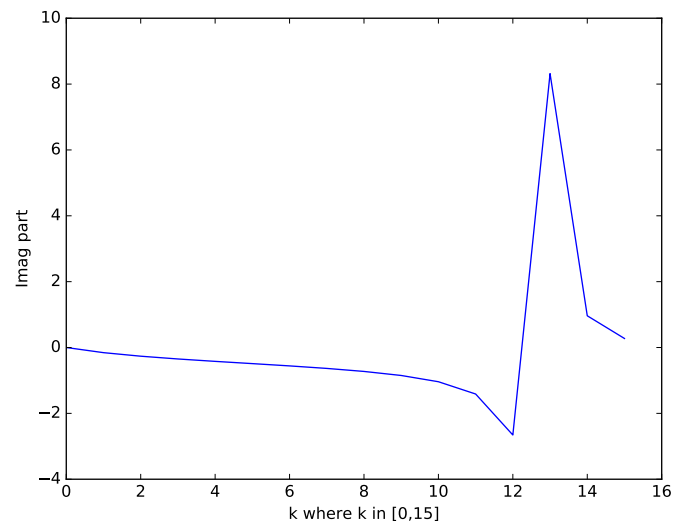
## Signals and Systems Assignment No.13

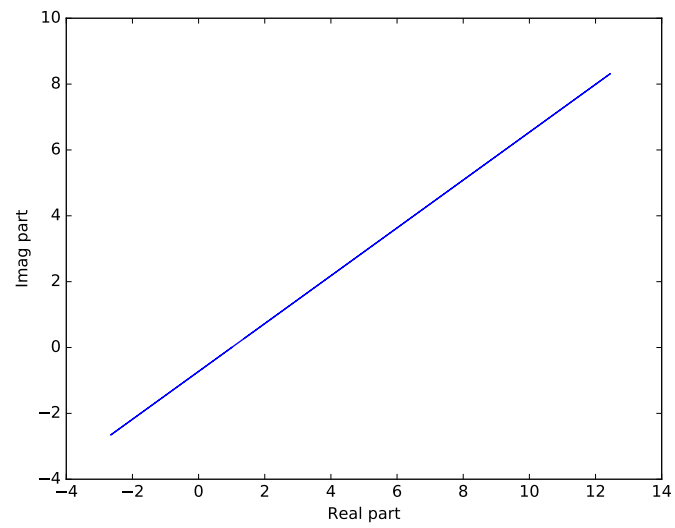
P Anurag  
17MCME13

April 9 2019

Question: Plot the graphs obtained by finding the fourier transform of  $\cos(2\pi f k) + j\sin(2\pi f k)$  using fast fourier transform.







Observation: Graph of real and imaginary part is a straight line, the imaginary and real graph has a peak around  $t = 1/f$ ,  $f = .2$