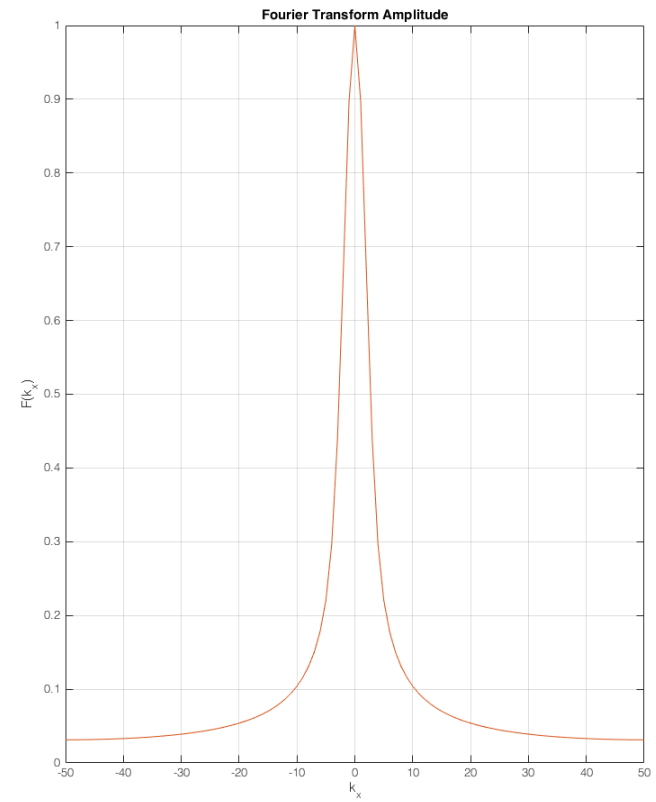
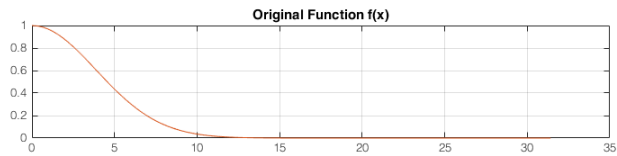


Section 4

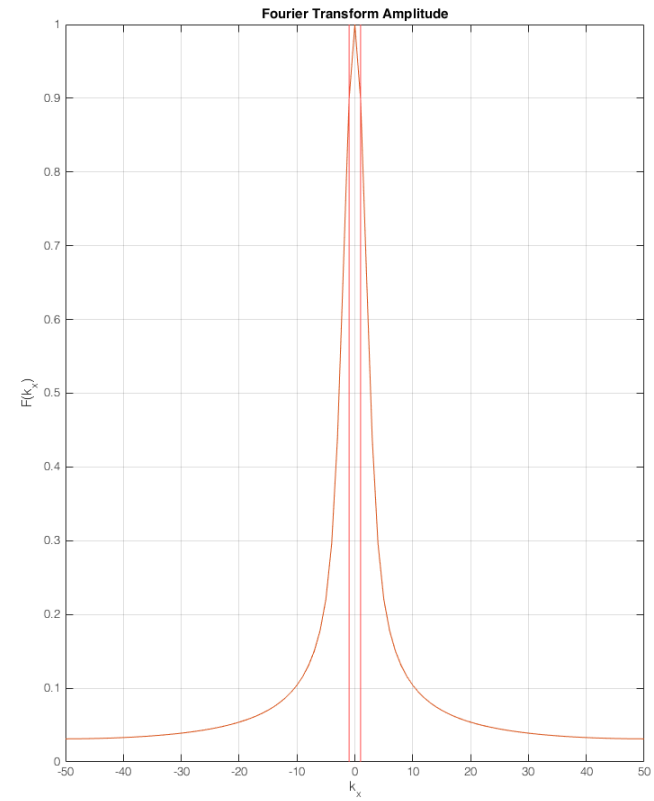
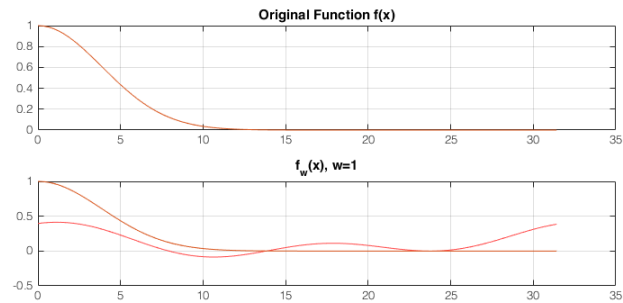
Phys 175

2/21/2017

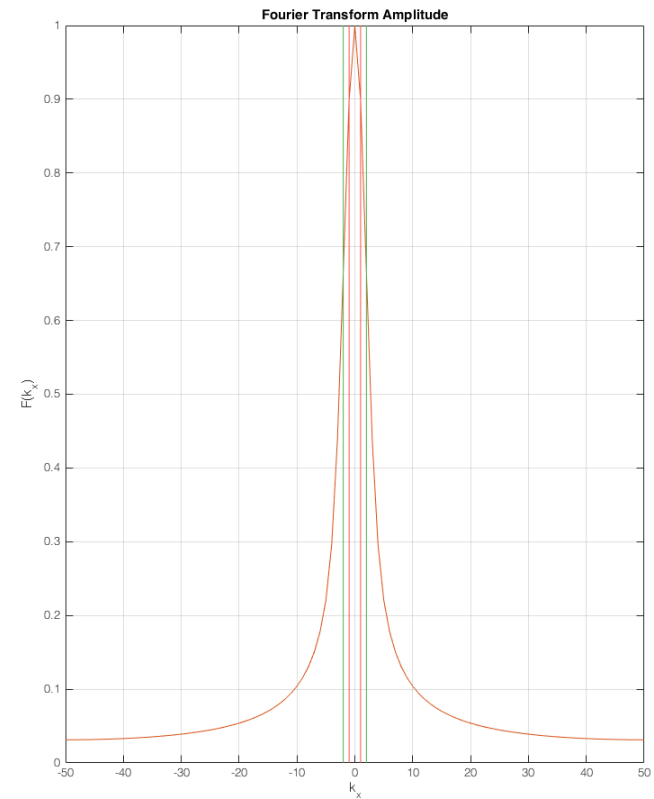
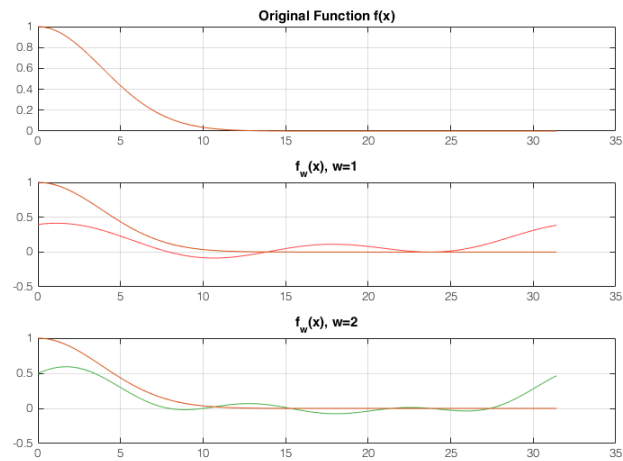
Fourier Transforms



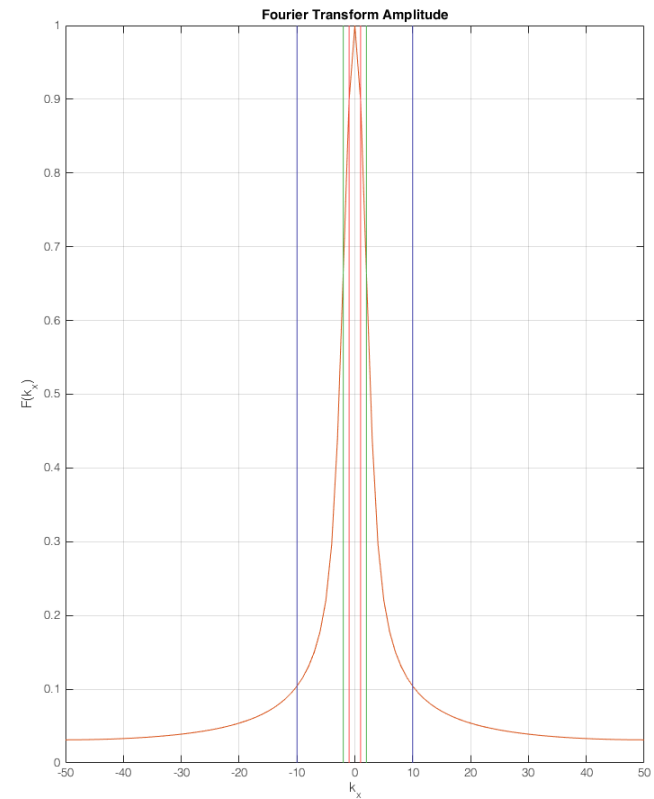
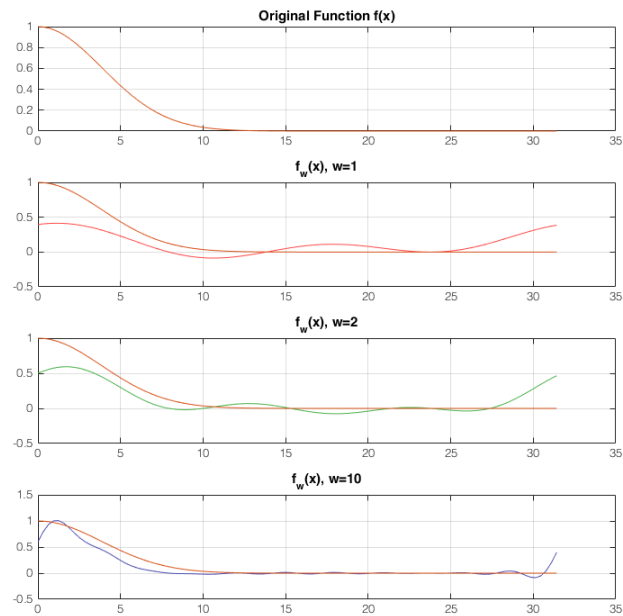
Fourier Transforms



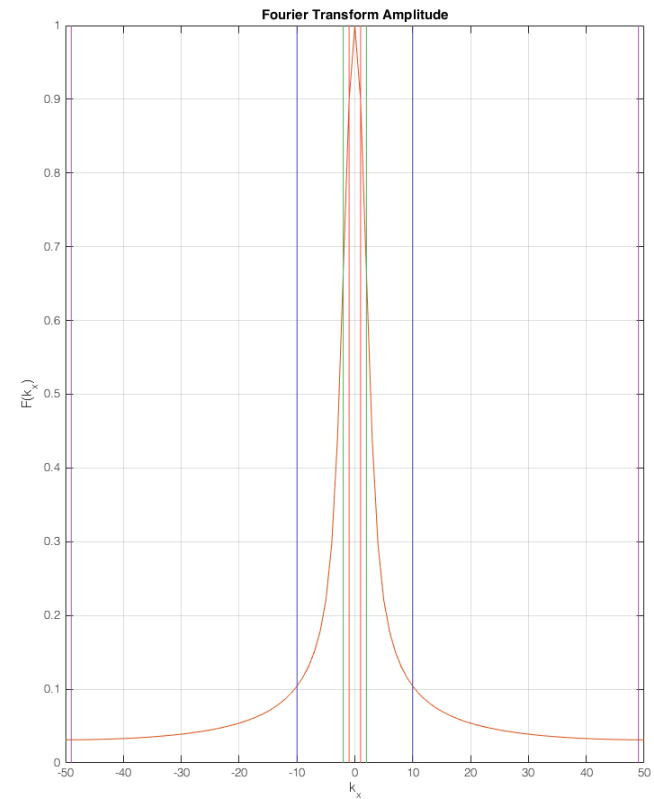
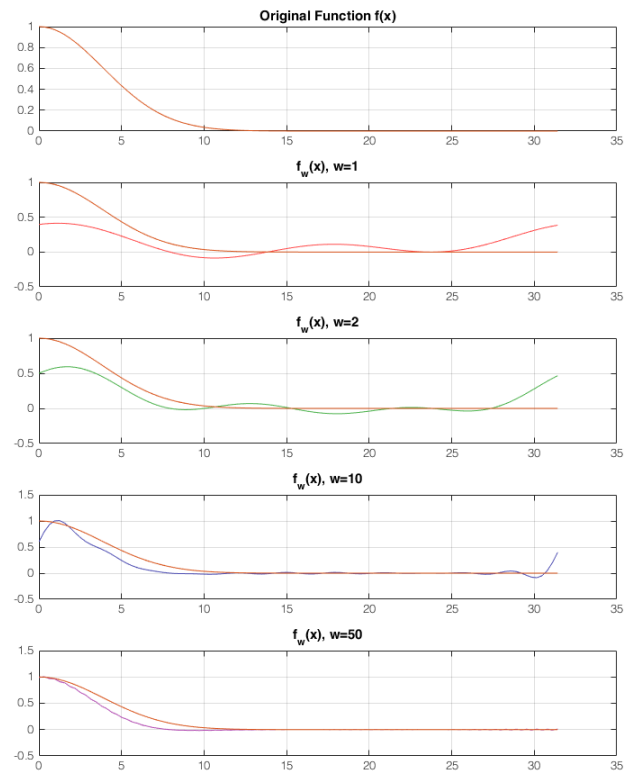
Fourier Transforms



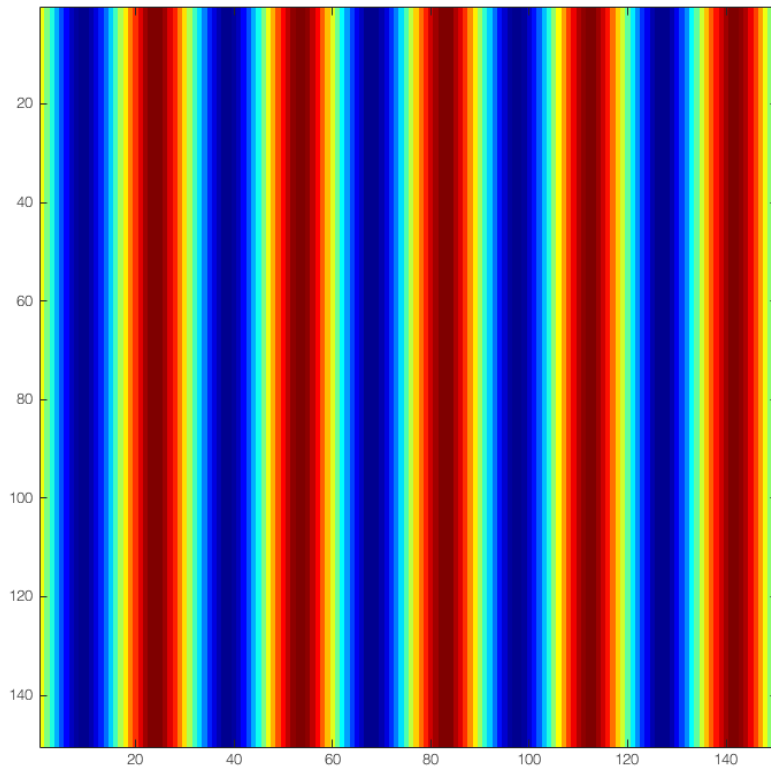
Fourier Transforms



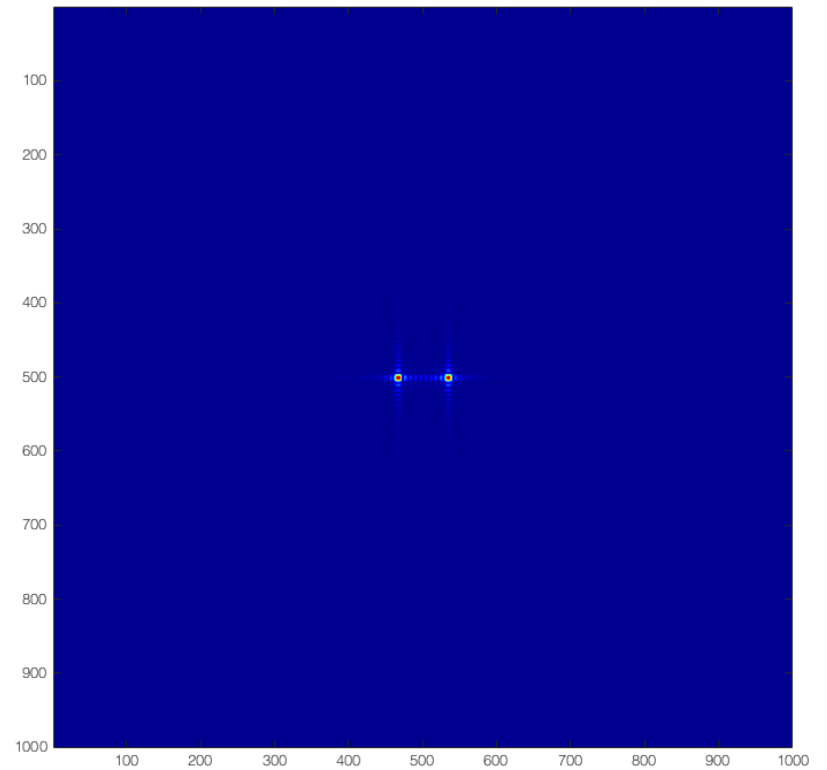
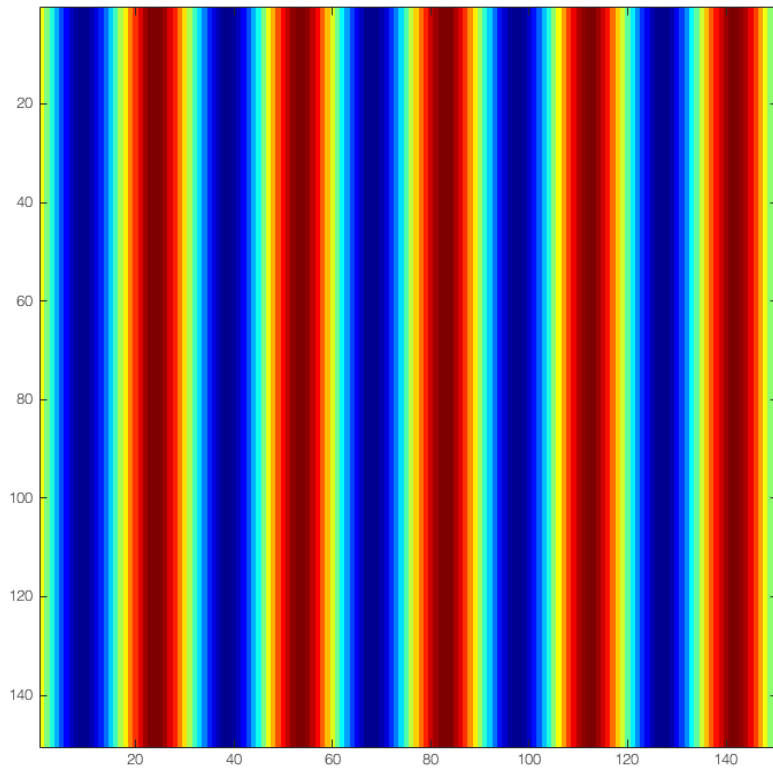
Fourier Transforms



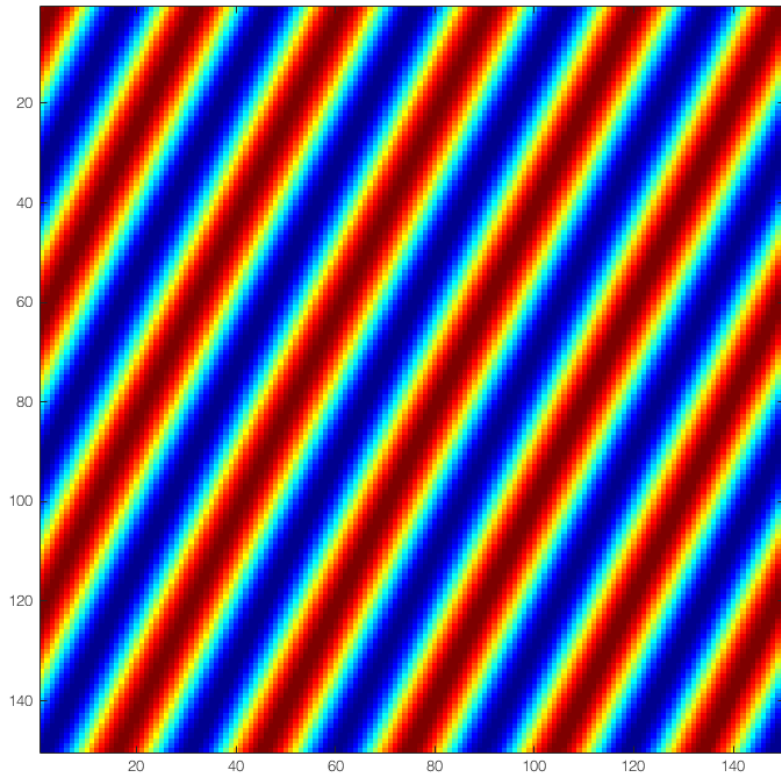
1-D Lattice



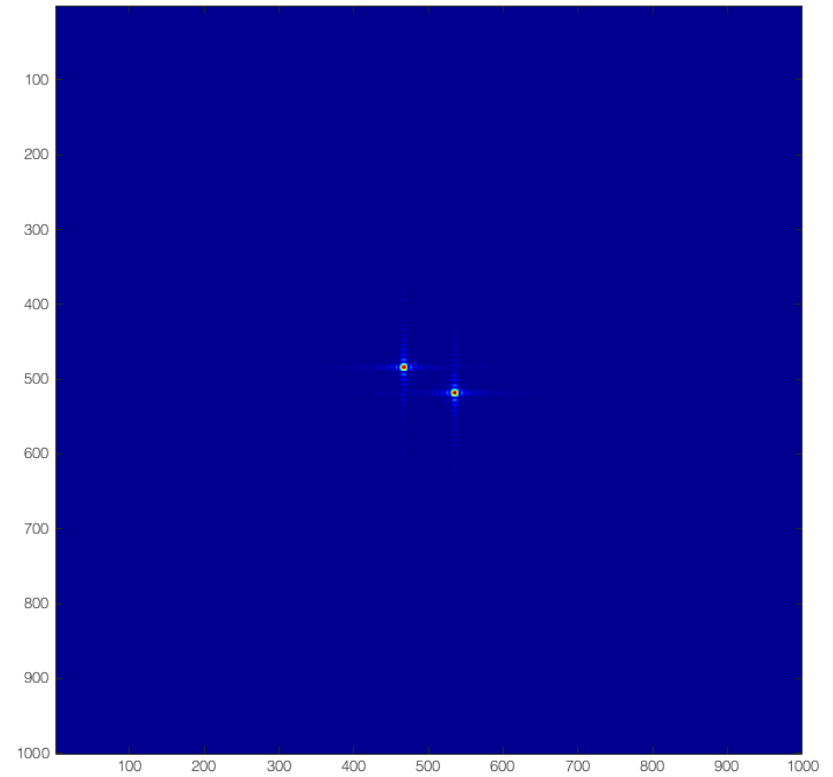
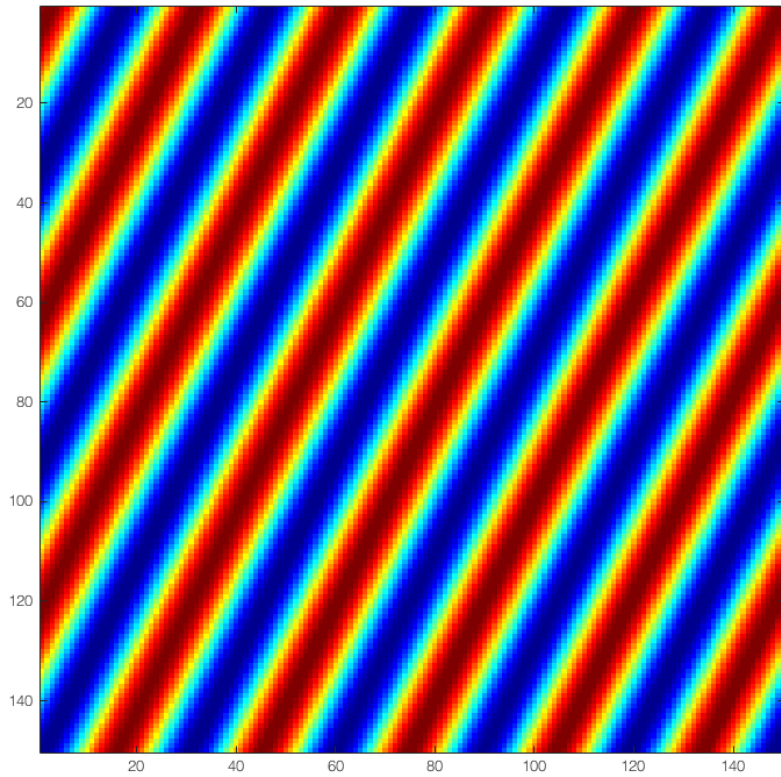
1-D Lattice



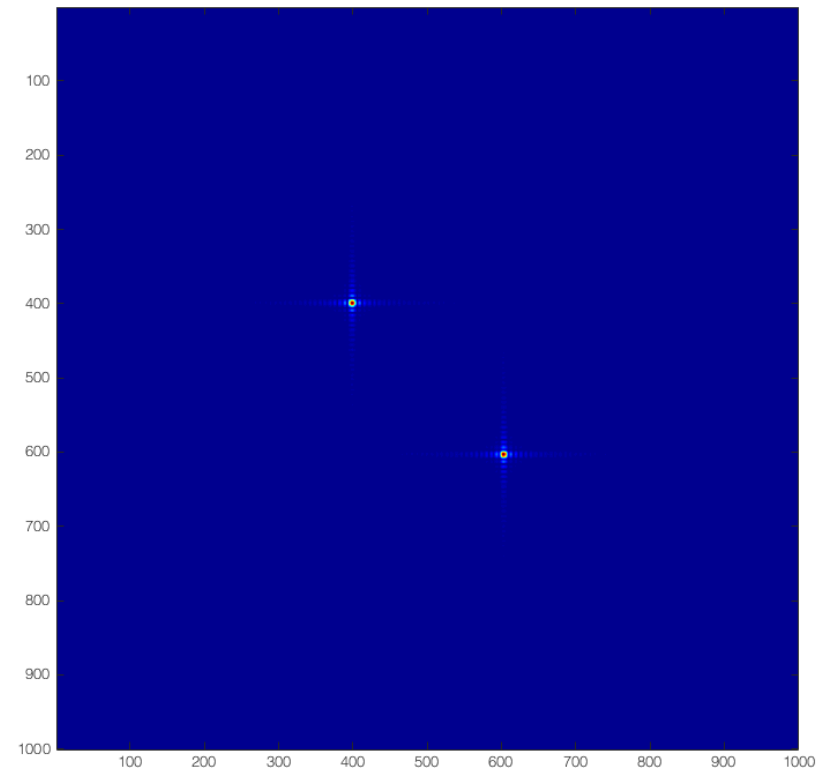
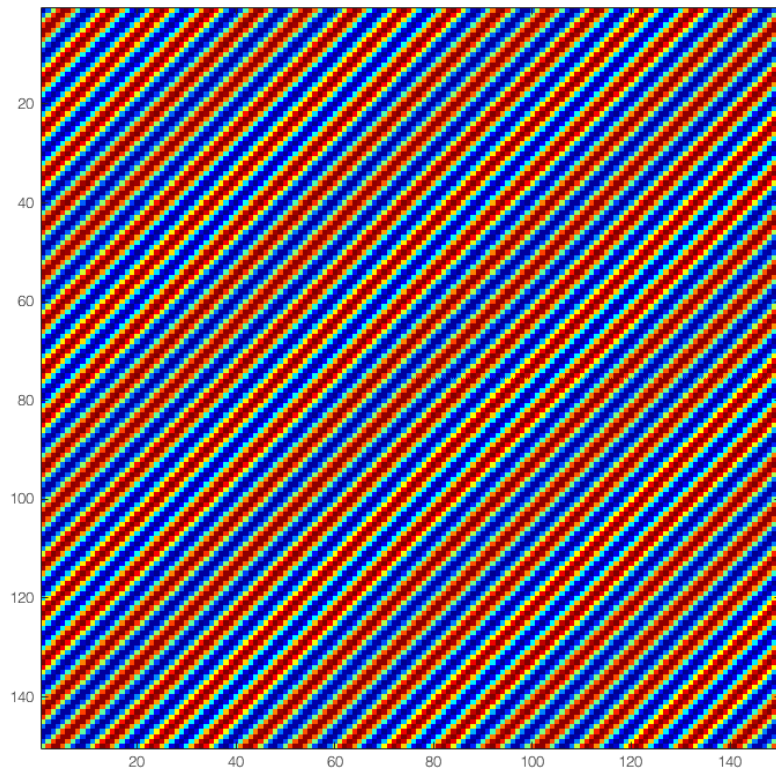
Tilted Lattice



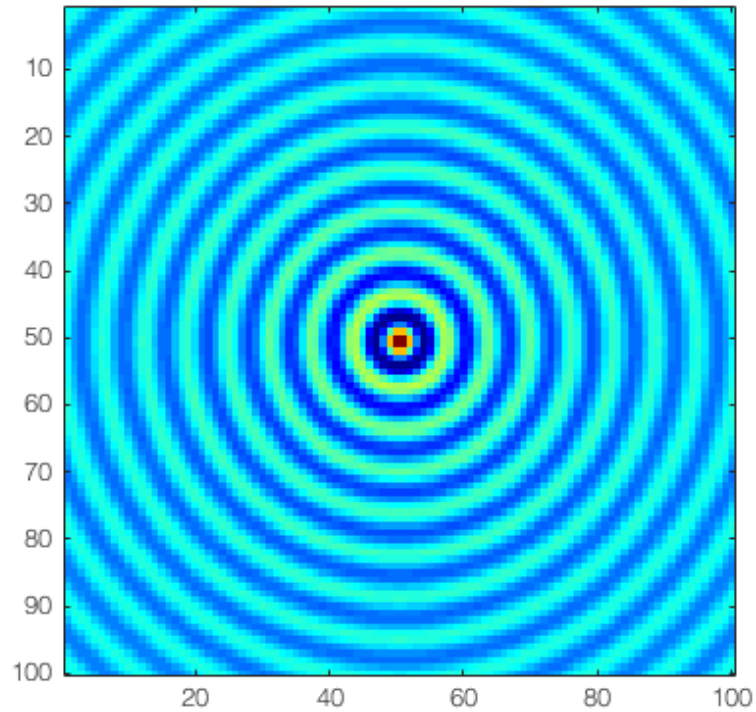
Tilted Lattice



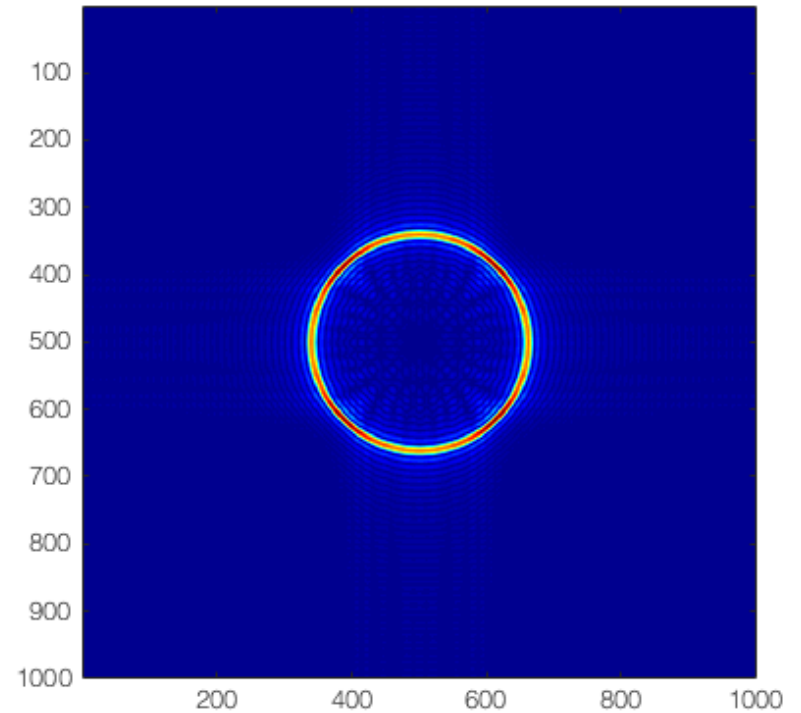
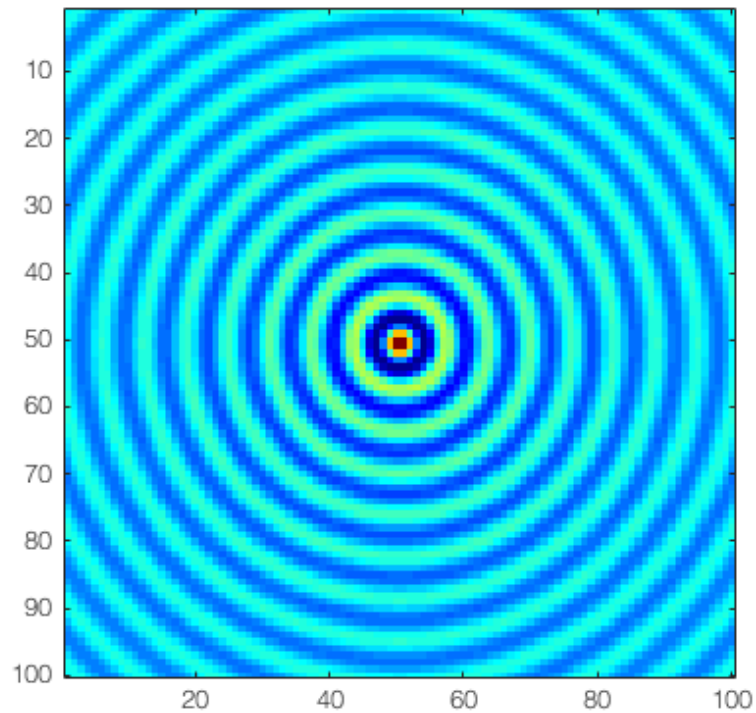
Higher K



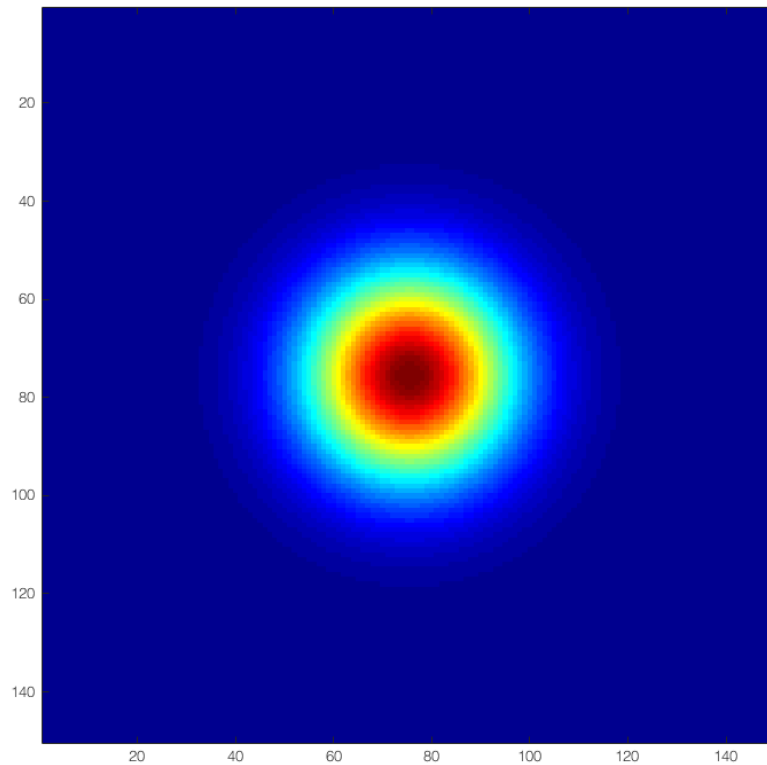
Azimuthal symmetry



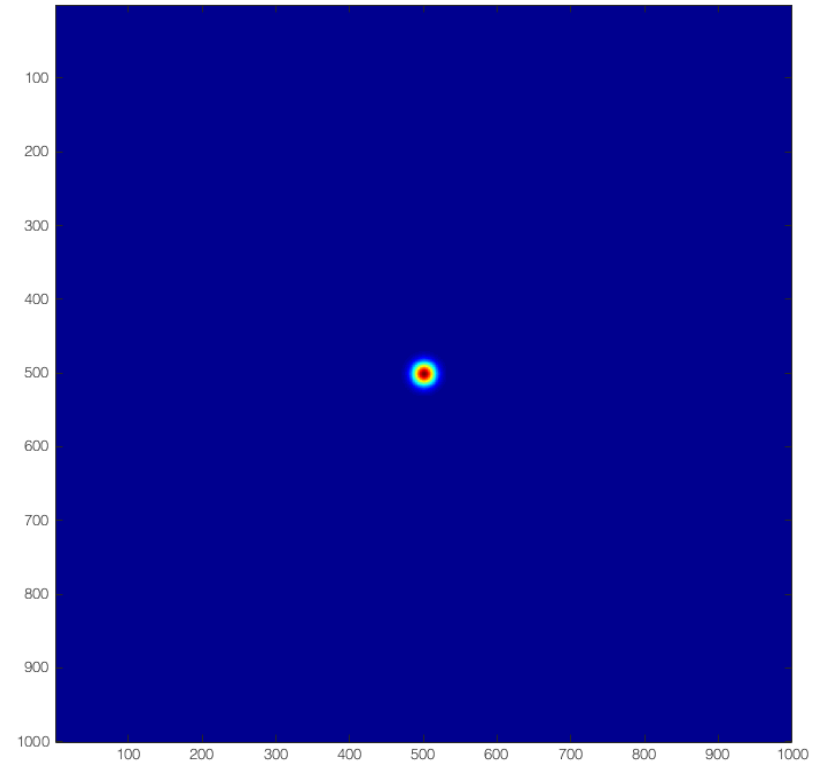
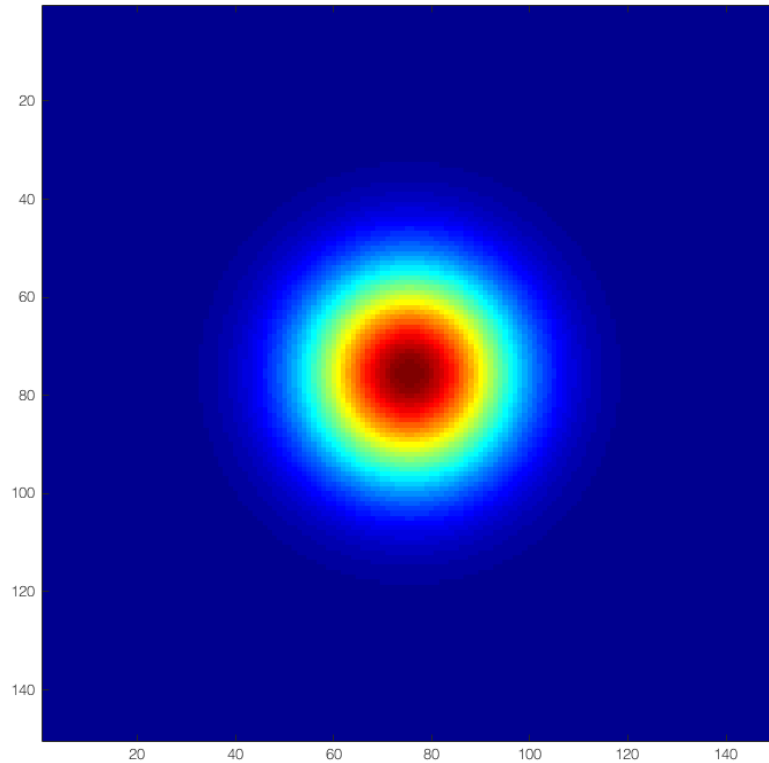
Azimuthal symmetry



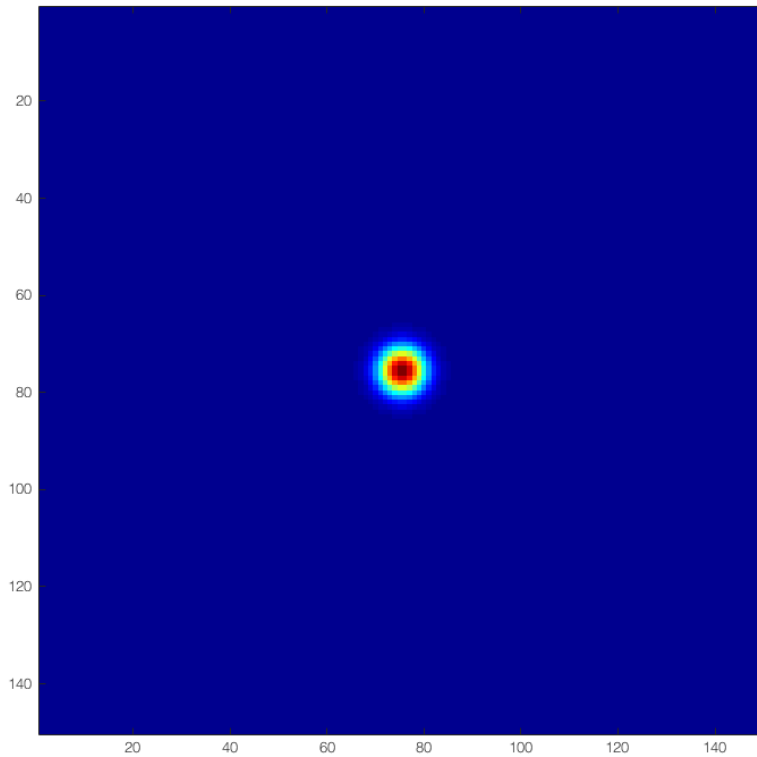
Gaussians



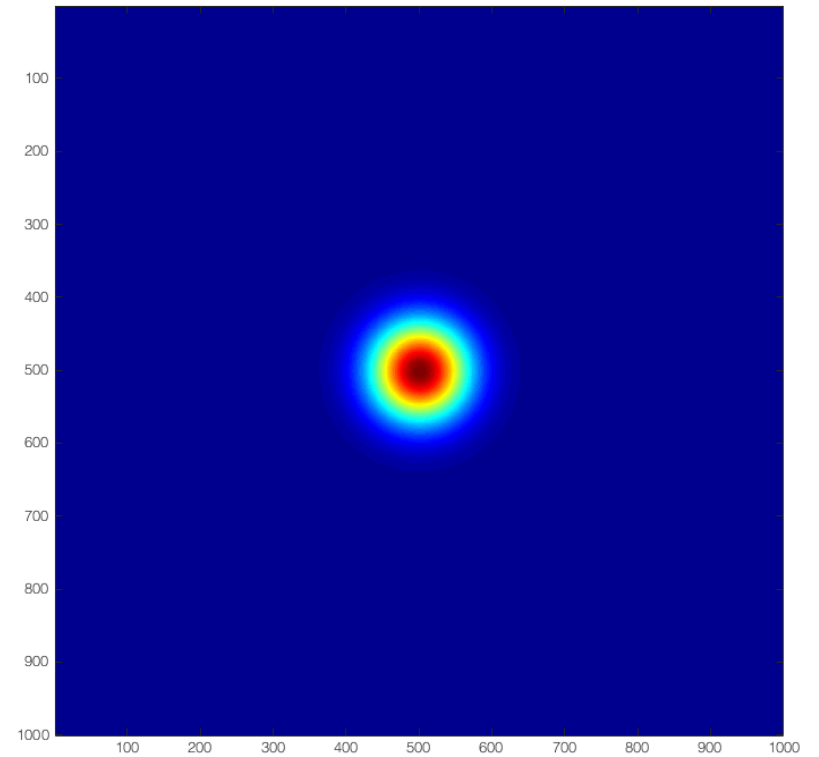
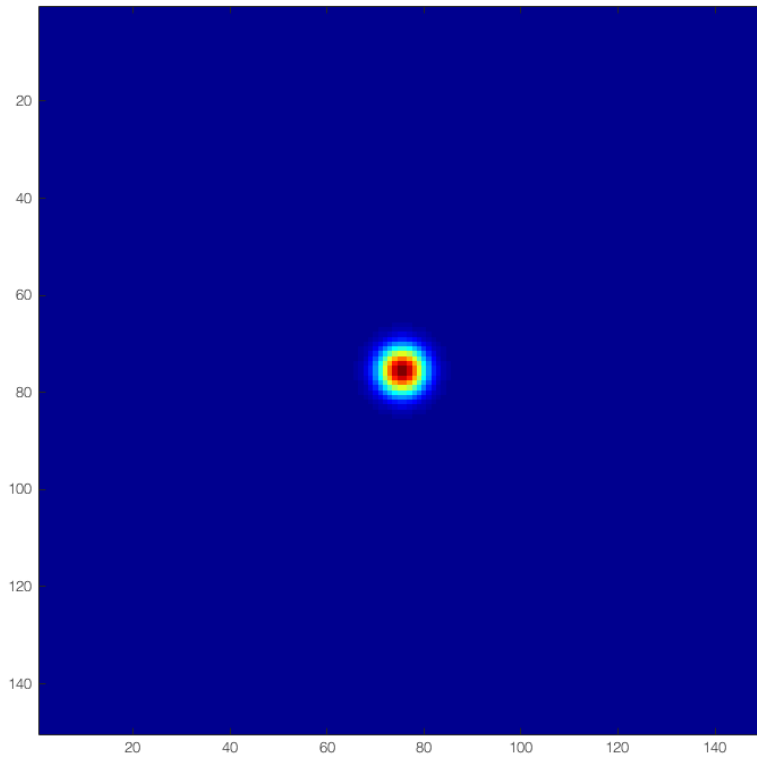
Gaussians



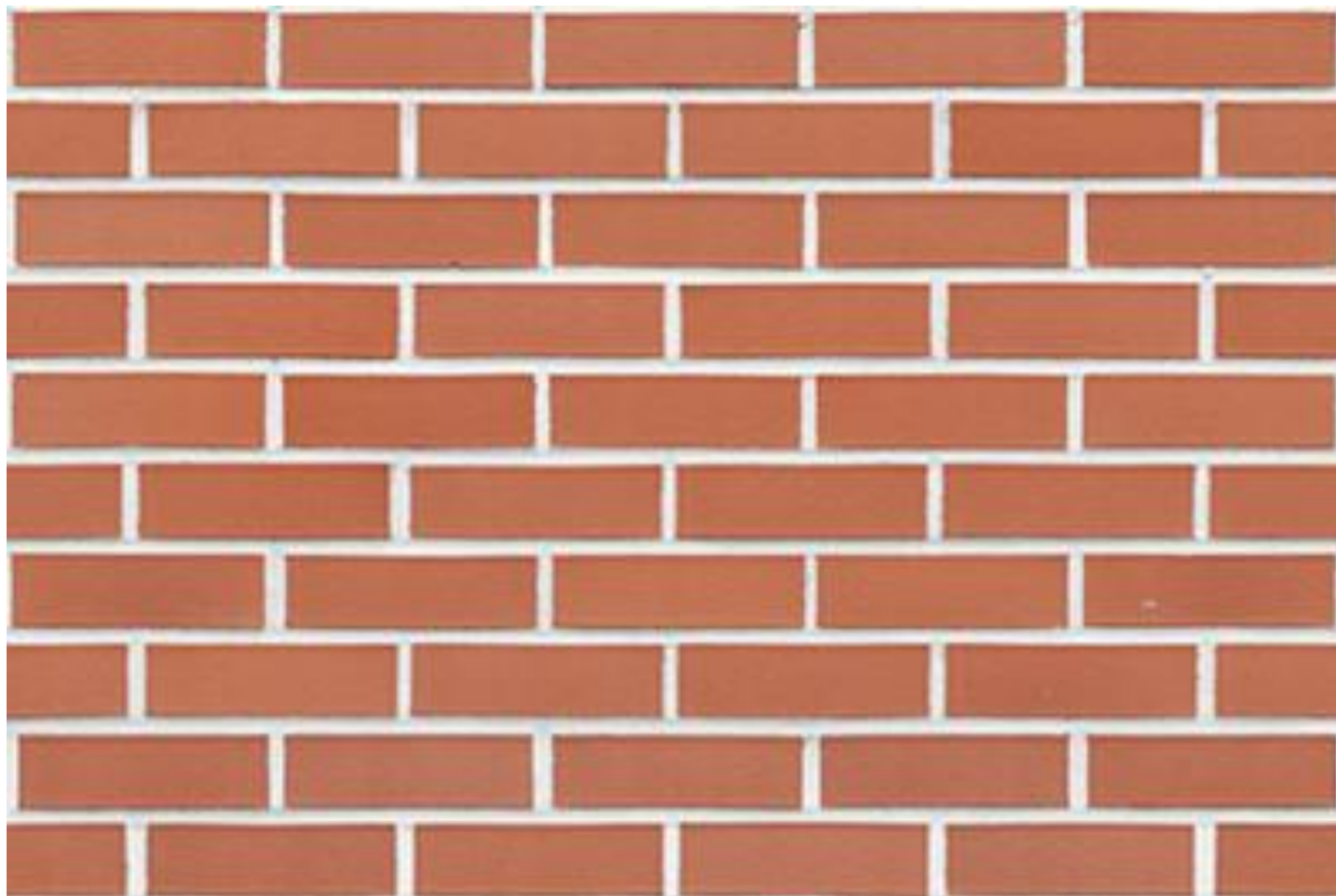
Gaussians



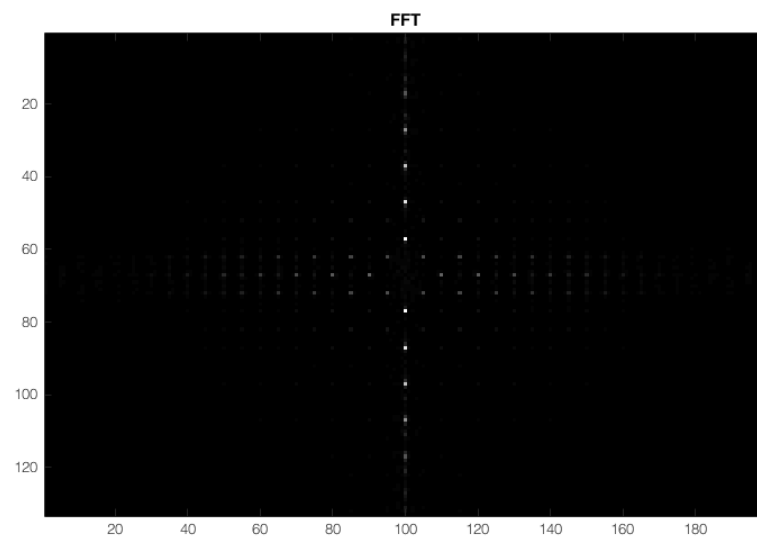
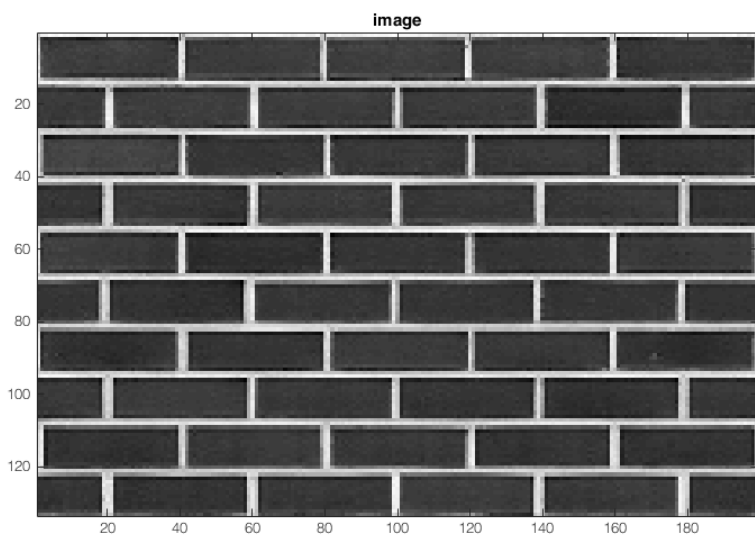
Gaussians



Real Examples



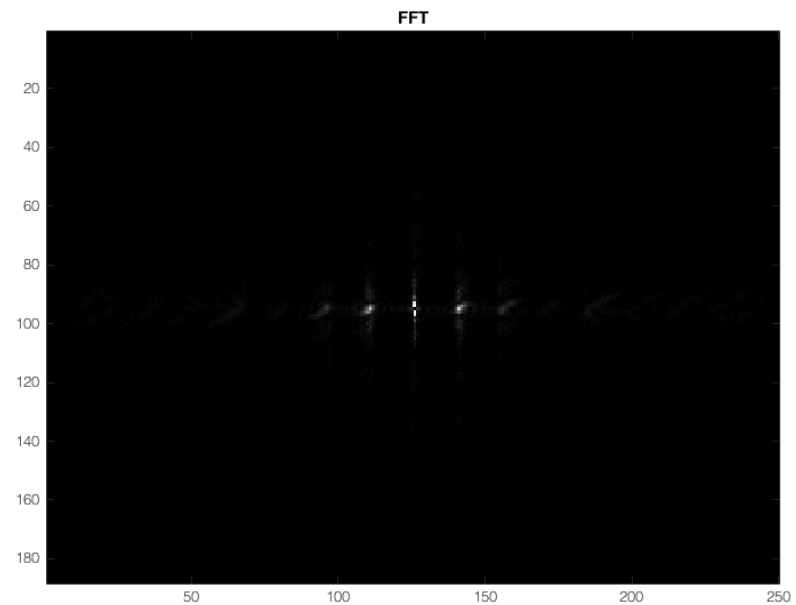
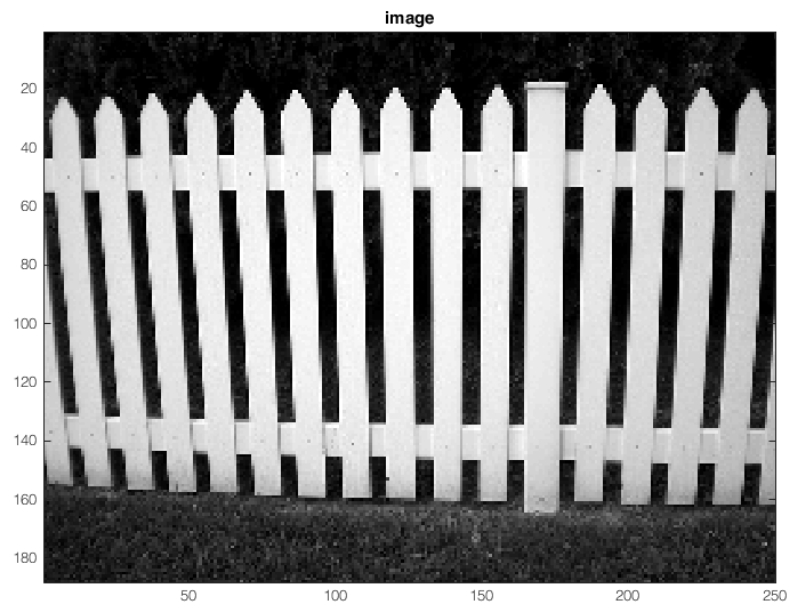
Real Examples



Real Examples

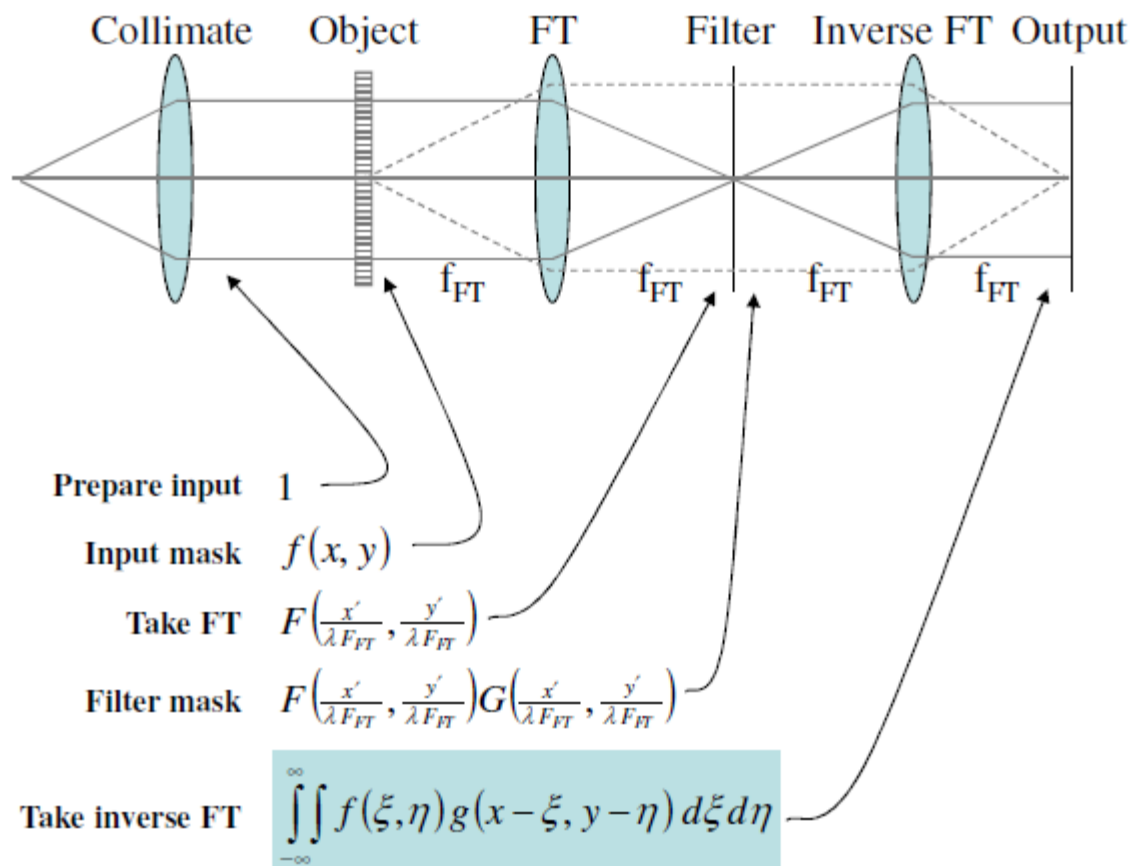


Real Examples

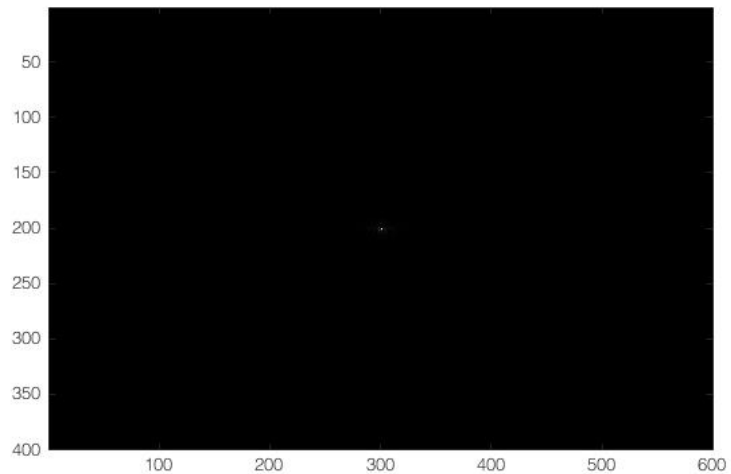
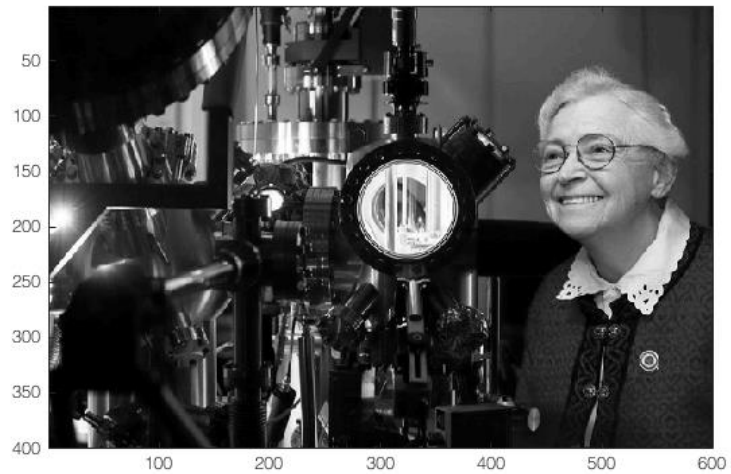


General spatial filtering

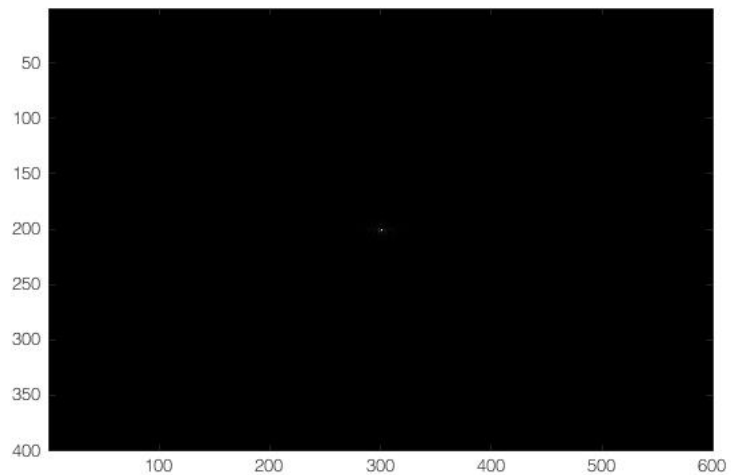
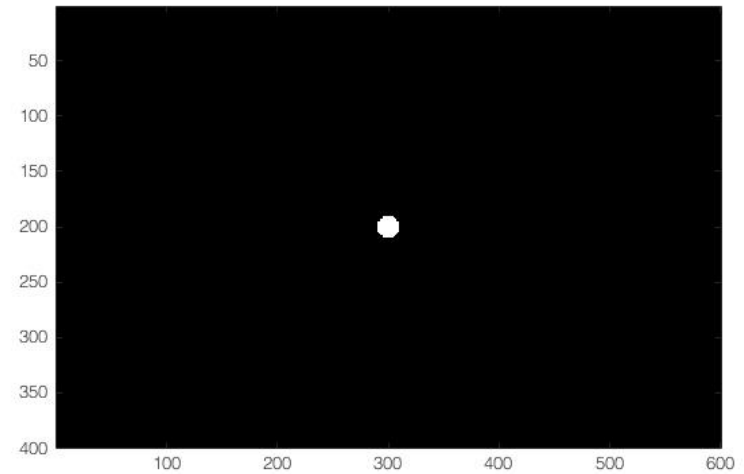
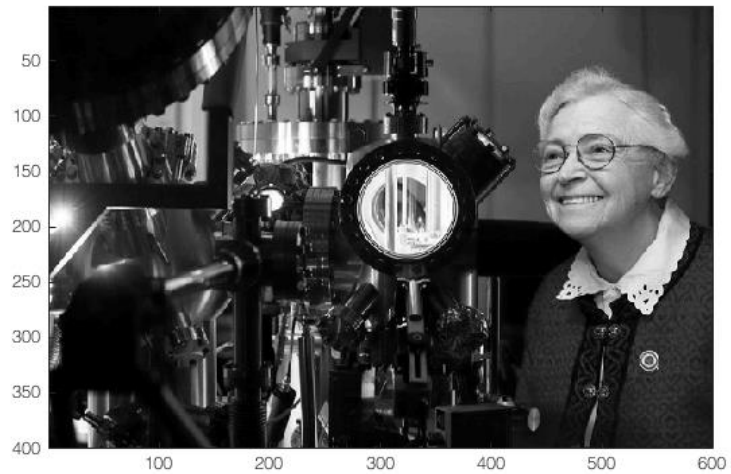
“4F” processing system:



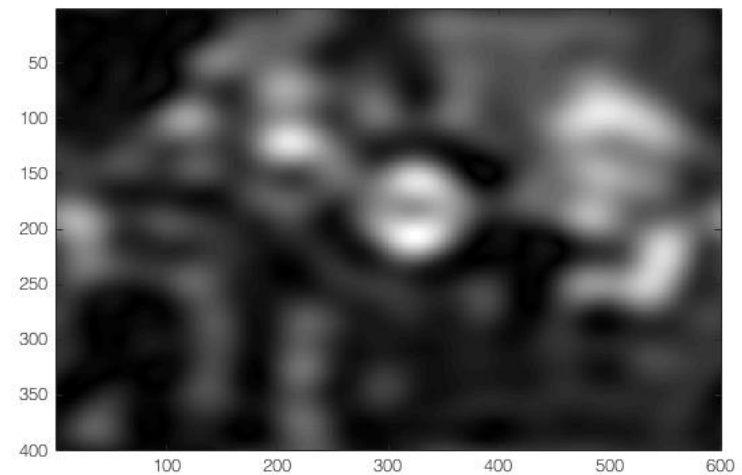
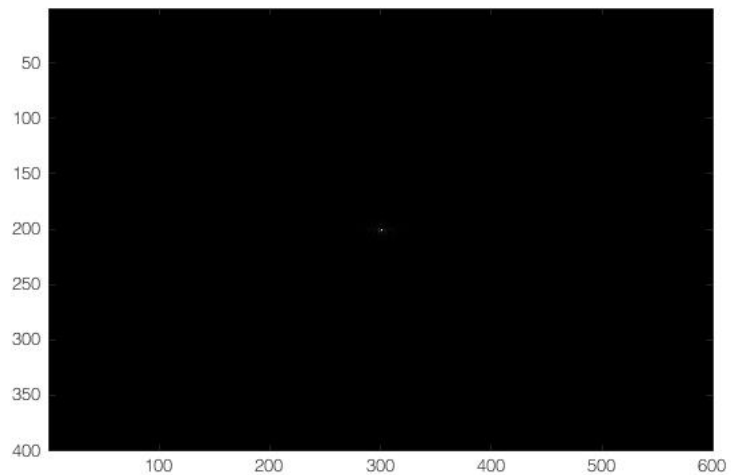
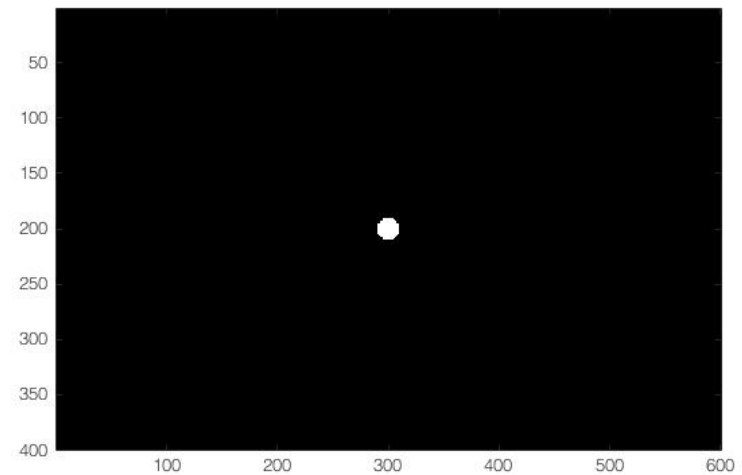
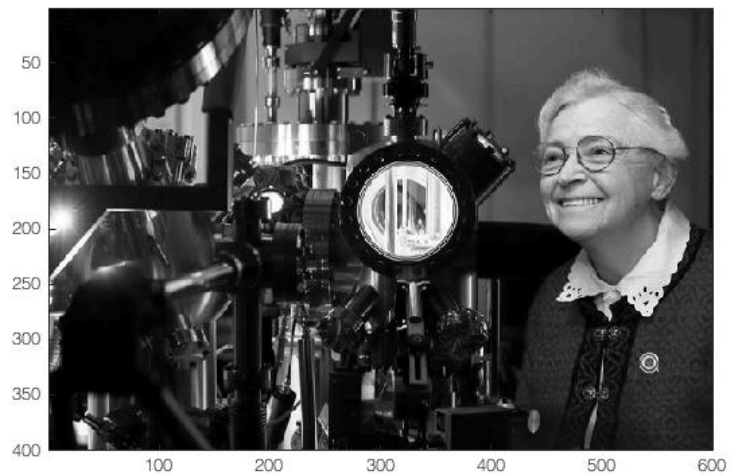
Fourier Filtering



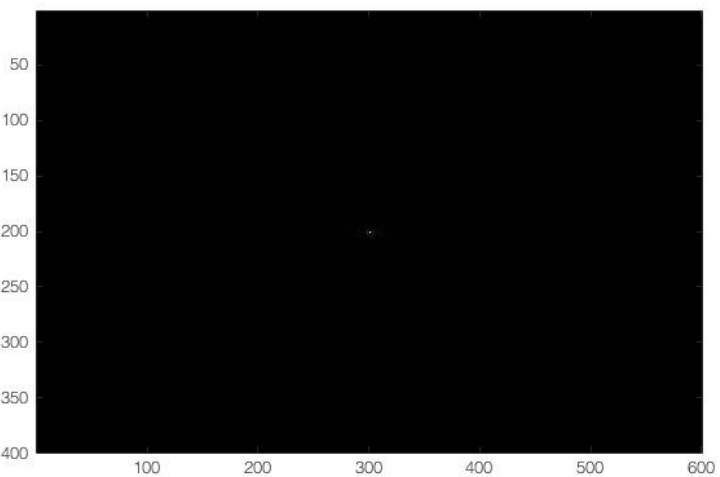
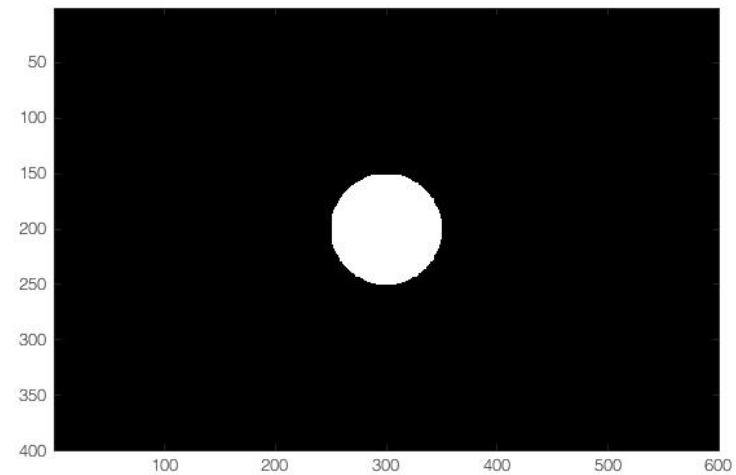
Low Pass



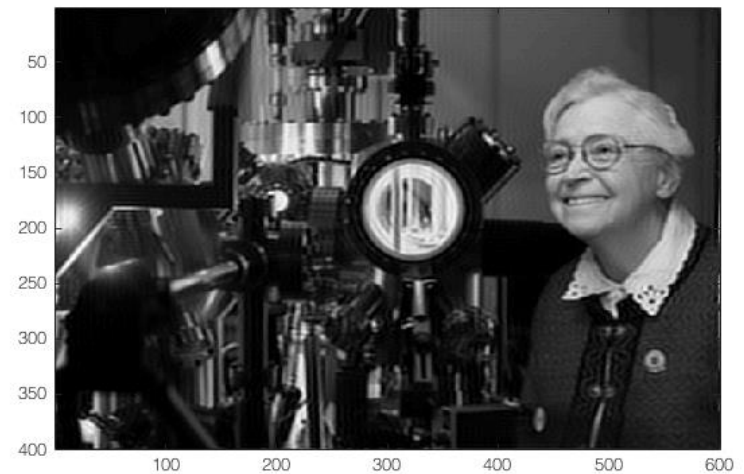
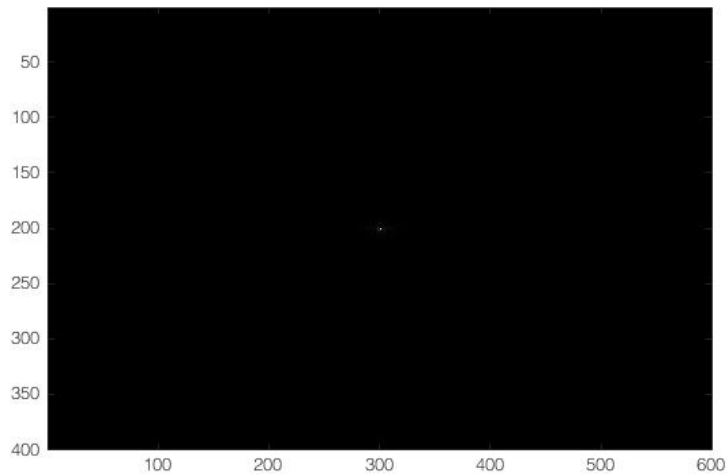
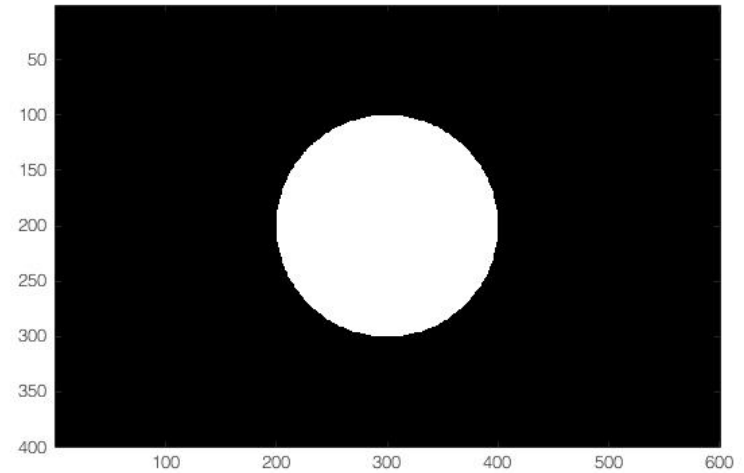
Low Pass



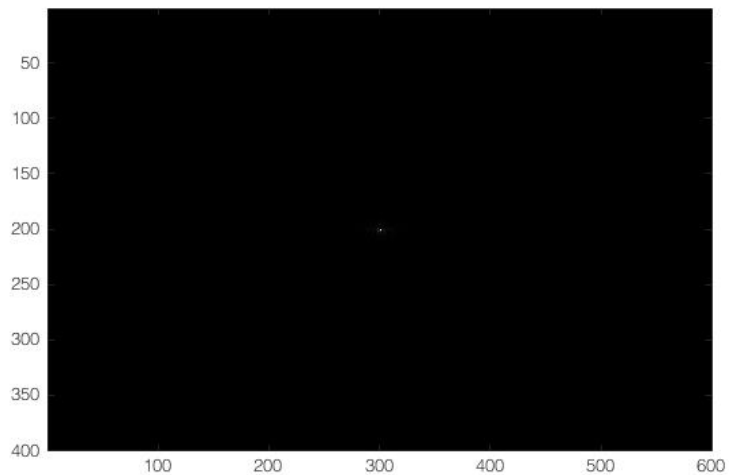
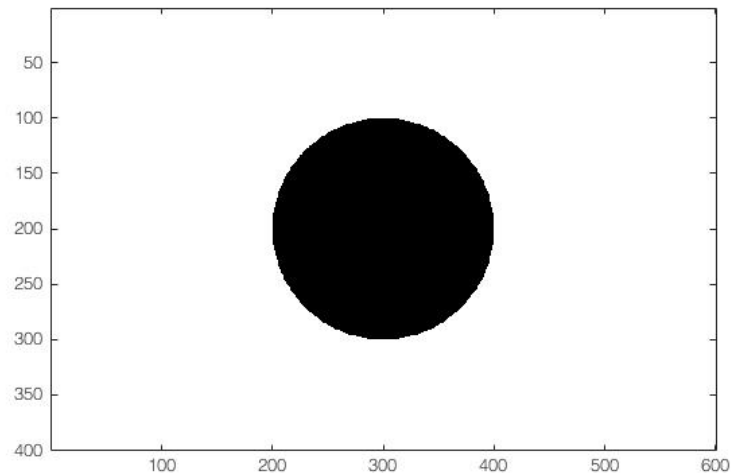
Less Low Pass?



Even Less Low Pass



High Pass



High Pass

