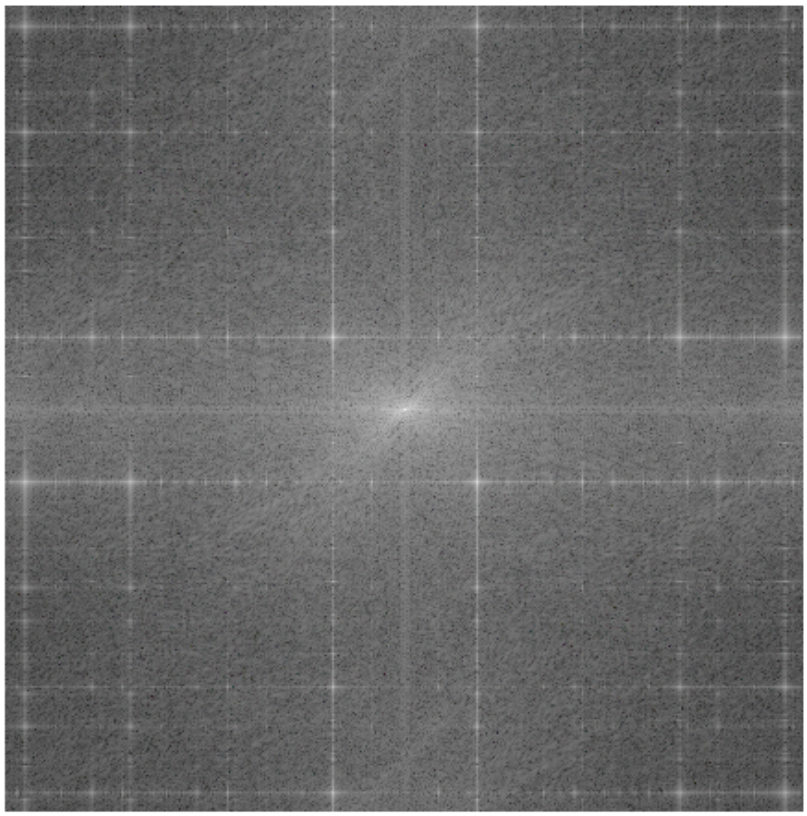
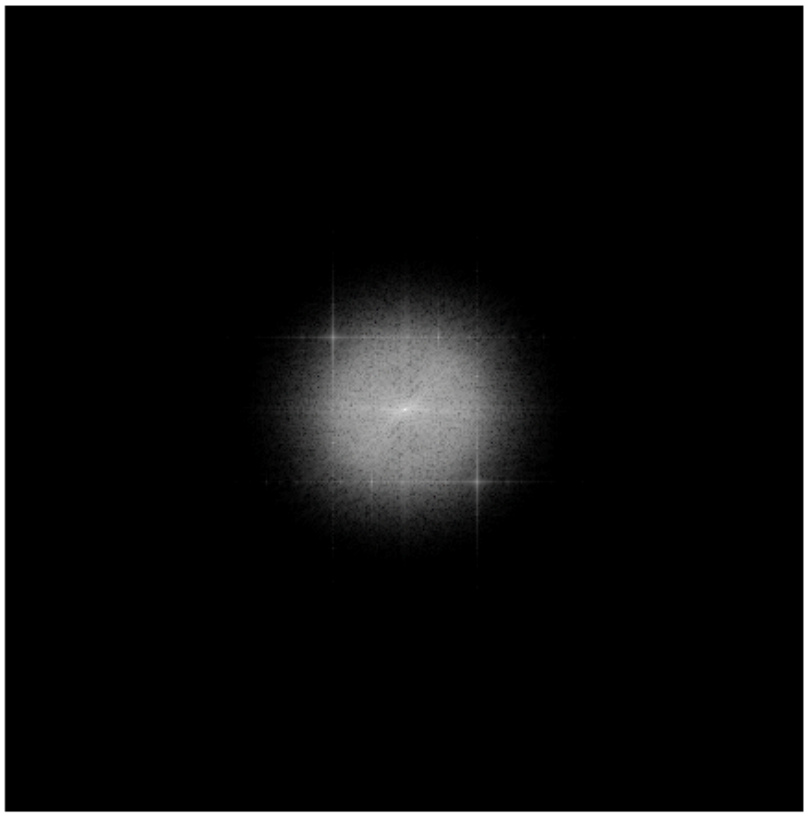
```
[u,v]=meshgrid(-216:215, -218:217);
BWLPFiler=1./(1+((u.^2 + v.^2)/1300).^6);


Pic=imread('p3.PNG');
figure, imshow(Pic);
Picfft=fftshift(fft2(Pic));%taking fft of filter
FilteredPicfft=Picfft.*BWLPFiler;%applyfing freq domain filter
figure, imshow(mat2gray(log(1+abs(Picfft)))); %freq domain before
 filter
figure, imshow(mat2gray(log(1+abs(FilteredPicfft)))); %freq domain
 after
InverseFilteredPicfft=ifft2(FilteredPicfft); %Inverse of filtered freq
figure, imshow(mat2gray(abs(InverseFilteredPicfft))); %Filtered image
```





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