

```
median-filter <r> <ims> <imd>
```



initial



./median-filter 1 ../data/barbara-i.png
res-1.png



./median-filter 3 ../data/barbara-i.png
res-3.png

bilateral <sigma_s> <sigma_g> <ims> <imd>



initial



./bilateral 10 30 ../data/barbara.png res-1.png



initial



./bilateral 10 30 ../data/barbara-g-10.png
res-1.png

nl-means <sigma> <ims> <imd>



initial



./nl-means 5 ../data/barbara.png
res-5.png



./nl-means 15 ../data/barbara.png
res-15.png



initial

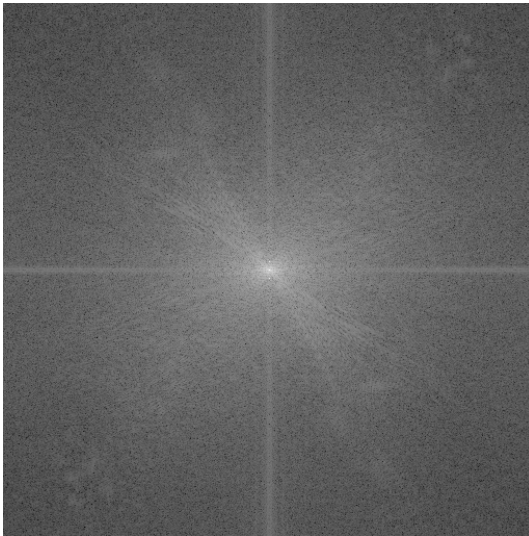


./nl-means 10 ../data/barbara-g-10.png
res-10.png

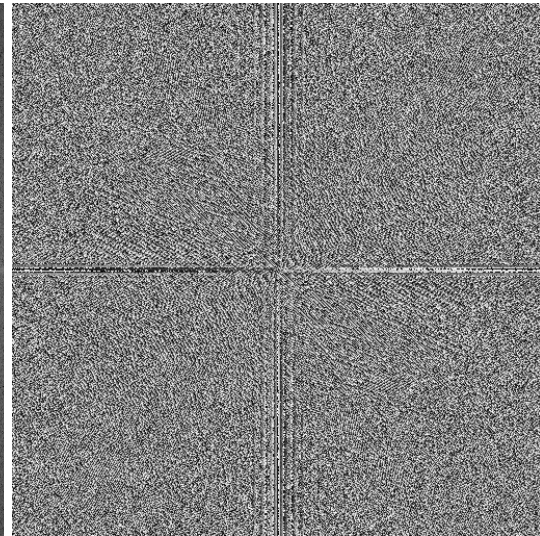
fourier <ims> <freq>



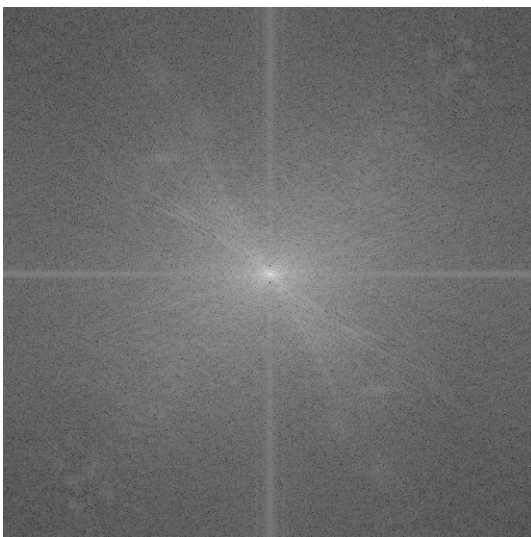
initial



magnitude.png



phase.png



magnitude-modify.png



inverse.png