CS825-001, Spring/Summer 2020 Assignment 4- Part 1 Submitted to Dr. Xue Dong Yang By Adarsh Koppa Manjunath 200397257

Q1) input image car.raw

Output image – magnitude is computed from dft and then it will be scaled. Below image is the final scaled image.

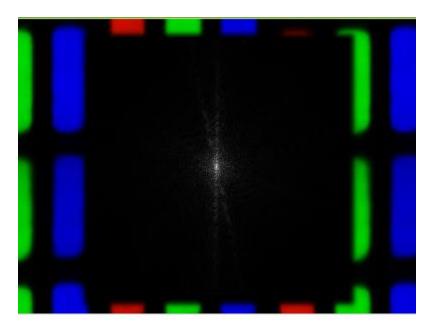


Fig 1- final scaled image after computing magnitude of dft of car image.

Screenshots of computation performed during the execution of program for the car input image

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(base) C:\Users\Omer\Desktop\Image Processing\assignment 4\pyfthon parti.py "C:\Users\Omer\Desktop\Image Processing\assignment 4\input images\car.raw" 256 256 "C:\Users\Omer\Desktop\Images\Omer\Desktop\Images\Omer\Desktop\Images\Omer\Desktop\Images\Omer\Desktop\Images\Omer\Desktop\Images\Omer\Desktop\Images\Omer\Desktop\Images\Omer\Desktop\Images\Omer\Desktop\Images\Omer\Desktop\Images\Omer\Desktop\Images\Omer\Desktop\Images\Omer\Desktop\Images\Omer\Desktop\Images\Omer\Desktop\Images\Omer\Desktop\Images\Omer\Desktop\Images\Omer\Desktop\Images\Omer\Desktop\Images\Omer\Desktop\Images\Omer\Desktop\Images\Omer\Desktop\Images\Omer\Desktop\Images\Omer\Desktop\Images\Omer\Desktop\Images\Omer\Desktop\Images\Omer\Desktop\Images\Omer\Desktop\Images\Omer\Desktop\Images\Omer\Desktop\Images\Omer\Desktop\Images\Omer\Desktop\Images\Omer\Desktop\Images\Omer\Desktop\Images\Omer\Desktop\Images\Omer\Desktop\Images\Omer\Desktop\Images\Omer\Desktop\Images\Omer\Desktop\Images\Omer\Desktop\Images\Omer\Desktop\Images\Omer\Desktop\Images\Omer\Desktop\Images\O
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Fig 2- computation performed with the input car image

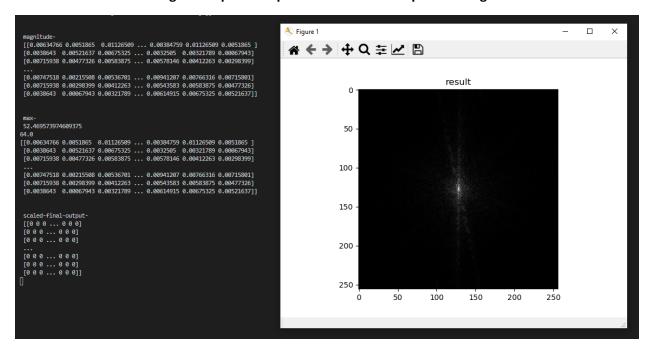


Fig 3- computation performed with the input car image

Q1) input image square256.raw

Output image- magnitude is computed from dft and then it will be scaled. Below image is the final scaled image.

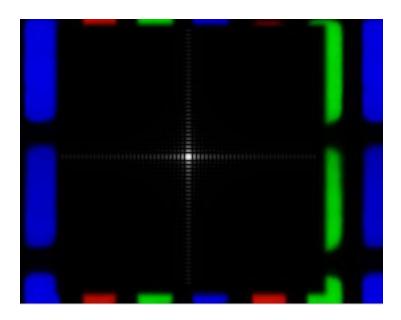


Fig 4- final scaled image after computing magnitude of dft of square image

Screenshots of computation performed during the execution of program for the square input image

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Fig 5- computation performed with the input square image

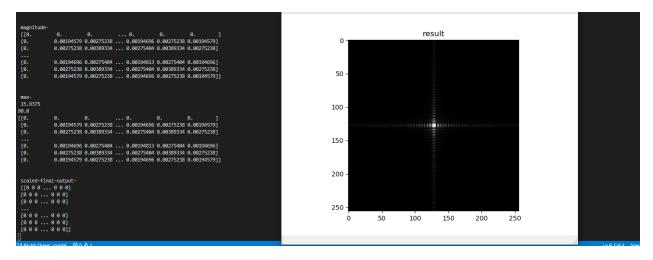


Fig 6- computation performed with the input square image