



Practice 2 Digital image processing



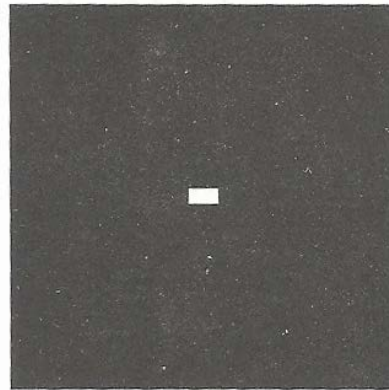
Questions and Practices

- 1. Draw the Histograms of Figure LENA.bmp ; (PLS Don't use the Matlab function, write the procedure of implement algorithm by yourself in detail.)

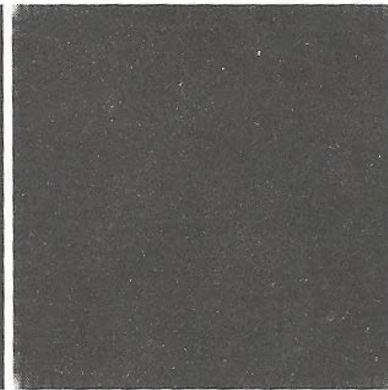


Questions and Practices

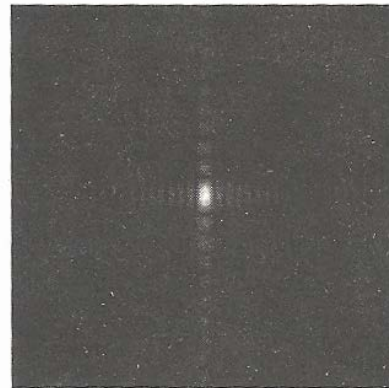
- 2. Compute and visualize the 2D DFT of 'Lena.bmp' in Matlab.



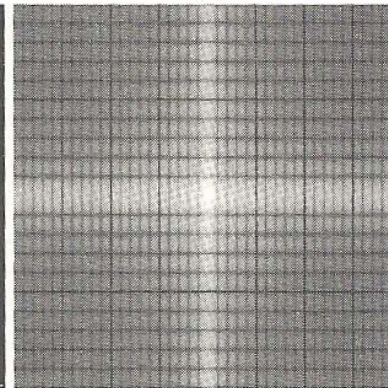
(a)



(b)



(c)



(d)

(a) A simple image.
(b) Fourier spectrum
(c) Centered spectrum
(d) Spectrum visually enhanced by a log transformation