Project #2
assign November 2, 2020   due November 7, 2020

Consider the centered DFT for Bird 2.tif, re-synthesize the images using the DFT coefficients (1) inside (r < 30), and (2) outside (r ≥ 30) the circular region with radius=30 pixels (based on the original image size), plot the resulted images.

Your report (Word or pdf format) should contain:

* Source codes (30%)

* Plot of DFT magnitude in Log scale (20%)

* Image constructed by DFT coefficients inside the circular region with radius = 30 pixels (15%)

* Image constructed by DFT coefficients outside the circular region with radius = 30 pixels (15%)

* Table of top 25 DFT frequencies (u,v) in the left half frequency region ($0 \leq u \leq M-1$, $0 \leq v \leq N/2-1$) (20%)

Upload your report to new e3 before 23:55 of due date!