

Homework 3 (Due: May 3rd)

- (1) Write a Matlab or Python code for the 4:2:0 image compression technique.

$B = C420(A)$, A is the input color image and B is the reconstructed image.

Just use the interpolation method for reconstruction. The code should be handed out by [NTUCool](#). (Note: The command `rgb2ycbcr` cannot be used.)

(25 scores)