Experiment No 10 Dwt of image

clc;

clear all;

close all;

a1=imread('.jpg');

a=imresize(a1,[512 512]);

%%first level decomposition

[E F G H]=dwt2(a,'db1');

first=[E F;G H];

%%second level decomposition

[I J K L]=dwt2(E,'db1');

second=[I J;K L];

final=[second F; G H];

figure

subplot(1,3,1);

imshow(a);

title('Orignal Image');

subplot(1,3,2);

imshow(uint8(first));

title('First level Decomposition');

subplot(1,3,3);

imshow(uint8(final));

title(' Second Level Decomposition');