%-- 13-Aug-16 10:39 AM --%

I = imread('cameraman.tif');

thresh1 = multithresh(I,1);

thresh2 = multithresh(I,3);

thresh3 = multithresh(I,7);

seg\_I1 = imquantize(I,thresh1);

seg\_I2 = imquantize(I,thresh2);

seg\_I3 = imquantize(I,thresh3);

figure(1); imshow(seg\_I1,[])

figure(2); imshow(seg\_I2,[])

figure(3); imshow(seg\_I3,[])