c=imread ('cameraman.tif');

figure;

imshow(c); % original image

A screenshot of a social media post

Description automatically generated

cannyAlg = edge(c, 'canny');

figure;

imshow(cannyAlg); % edges with canny

A screenshot of a cell phone

Description automatically generated

% This the best algorithm

firstDev = edge(c, 'prewitt');

figure;

imshow(firstDev); % edges with first derivative

A picture containing screenshot

Description automatically generated

secondDev = edge(c, 'log');

figure;

imshow(secondDev); % edges with second derivative

A picture containing screenshot

Description automatically generated

From 3 algorithms we observe that canny algorithm is the best algorithm for detecting edges

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