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I-19

Assignment 1

Q.) Write an algorithm for preprocessing an image for geometric transformations

CODE:

clc;

clear all;

close all;

I=imread('peppers.png');

imshow(I)

subplot(1,5,1)

A=[1 0 0;1 1 0;0 0 1];

tform=affine2d(A);

J=imwarp(I,tform);

imshow(J)

subplot(1,5,2)

img=affine2d(inv(A));

I1=imwarp(J,img);

imshow(I1)

subplot(1,5,3)

I2=imrotate(I,60);

impixelinfo

imshow(I2);

subplot(1,5,4)

title('Rotated Img')

c=rgb2gray(I);

imshow(c)

subplot(1,5,5)

figure(1)

imhist(c)

