```
clear;clc;close all;
‰ 读取图像
image=imread('spine.tif');
‰ 直方图均衡
image_hist = histeq(image);
figure(1);
subplot(1,2,1);imshow(image);title(原图);
subplot(1,2,2); imshow(image_hist); title(均衡化后');
figure(2);
subplot(1, 2, 1); bar(histogram_img(image)); title(原图像直方图');
subplot(1, 2, 2); bar(histogram_img(image_hist)); title(均衡化后直方图');
‰ 计算直方图
function array = histogram_img(image)
    array=zeros (1, 256);
    [m, n]=size(image);
    for i=1:m %统计灰度像素出现个数
       for j=1:n
           array(image(i, j)+1)=array(image(i, j)+1)+1;
       end
    end
end
```