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```
clc;
clear all;
close all;
%read the image
x=imread('fig8.jpg');
%x=rgb2gray(x);
%laplacian filter(simple)
lap=[0 -1 0;-1 5 -1;0 -1 0];
%used the filter
result=uint8(filter2(lap,x,'same'));
figure;
imshow(x);
title('original image');
figure;
imshow(result);
title('laplacian image');
```

**original image**



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**laplacian image**



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