image=imread('C:\Users\lenovo\Desktop\图片整理\图片整理\气驱成像\成像\横截面\驱替八1.bmp');

image\_r = image(:,:,1);

image\_g = image(:,:,2);

image\_b = image(:,:,3);

a=image\_r;b=image\_g;c=image\_b;

R=double(a);G=double(b);B=double(c);

Z=400/51\*(R+G+B)

[A, map] = imread('C:\Users\lenovo\Desktop\图片整理\图片整理\气驱成像\成像\横截面\驱替八1.bmp');

% 得到图象信息

info = imfinfo('C:\Users\lenovo\Desktop\图片整理\图片整理\气驱成像\成像\横截面\驱替八1.bmp');

w = info.Width;

h = info.Height;

% 创建与图象大小相对应的网格

[x,y] = meshgrid(1:w,1:h);

z = x - y + y - x;

i = 1;

j = 1;

% 用图象灰度值填充高度值

[z]=Z

% 绘制三维图象

meshc(x,y,z);

% 绘制表面

surf(x,y,z,'FaceColor','interp','EdgeColor','none','FaceLighting','phong')