

## Rectification

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```
clear;  
clc;  
close all;
```

```
im = imread('E3_data/giradischi.jpg');  
figure;  
imshow(im);
```

```
a = drawpoint();  
b = drawpoint();  
c = drawpoint();  
d = drawpoint();
```



```
m1 = [a.Position;b.Position;c.Position;d.Position];
m1 = [m1'; ones(1,4)];
l = 500;
m2 = [1 1 1 1;...
      1 1 1 l;...
      1 1 1 1];
```

```
[m1_normalized,T1] = precondition(m1);
[m2_normalized,T2] = precondition(m2);
H = dlt_homography(m1,m2);
%H = inv(T2)*H*T1;
H = H./norm(H);
```

```
lambda =1;  
[mosaic] = image_mosaic_same(im,uint8(zeros(1,1,3))),H,lambda);  
figure; imshow(mosaic)
```

