```
ones = [1,1,1,1];

image_coordinates_1 = [x1(:), y1(:), ones(:)]';
image_coordinates_2 = [x2(:), y2(:), ones(:)]';
image_coordinates_3 = [x3(:), y3(:), ones(:)]';
image_coordinates_4 = [x4(:), y4(:), ones(:)]';

H1 = homography2d(world_coordinates, image_coordinates_1);
H2 = homography2d(world_coordinates, image_coordinates_2);
H3 = homography2d(world_coordinates, image_coordinates_3);
H4 = homography2d(world_coordinates, image_coordinates_4);

disp("Homography of --> images2.png")
disp(H1)
disp("Homography of --> images9.png")
disp(H2)
disp("Homography of --> images12.png")
disp(H3)
disp("Homography of --> images20.png")
disp(H4)
```

```
Homography of --> images2.png
   -0.9639   -0.0782  -37.7717
   -0.0192    0.8835 -229.9728
   -0.0000   -0.0002   -0.5575

Homography of --> images9.png
    1.0865    0.0304   65.5018
    0.1454   -0.9345  207.5282
    0.0005    0.0001    0.4929

Homography of --> images12.png
   -0.7009   -0.0478  -65.8816
    0.1766    0.8904 -247.4162
    0.0005   -0.0002   -0.6300

Homography of --> images20.png
   -0.8650   -0.2588  -66.2949
    0.0068    0.4068 -141.8181
   -0.0000   -0.0008   -0.5153
```

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