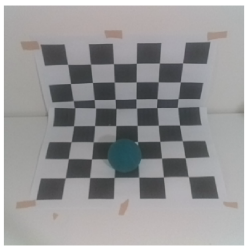
```
imshow(image_0)
```



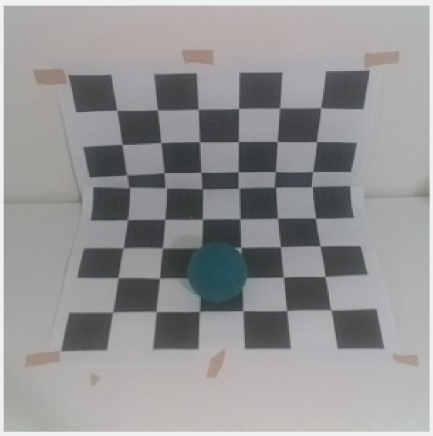
```
P = [
   -0.0043    0.0013    0.0014   -0.3812
    0.0001    0.0042   -0.0017   -0.9244
    0.0000    0.0000    0.0000   -0.0063]
```

```
P = 3×4
   -0.0043    0.0013    0.0014   -0.3812
    0.0001    0.0042   -0.0017   -0.9244
         0         0         0   -0.0063
```

```
pplus = P'*inv(P*P')
```

```
pplus = 4×3
10^4 ×
   -0.0198    0.0030    0.7512
    0.0035    0.0200   -3.1449
    0.0074   -0.0092    0.9055
         0         0   -0.0159
```

```
uv = ginput(2)
```



```
uv = 2×2
  129.5381  189.0209
  172.5508  188.2042
```

```
uv = [uv ones(2,1)]
```

```
uv = 2×3
  129.5381  189.0209    1.0000
  172.5508  188.2042    1.0000
```

```
a = pplus*uv(1,1:end)'
```

```
a = 4×1
10^4 ×
   -1.2373
    1.0859
    0.1223
   -0.0159
```

```
a = a/a(end)
```

```
a = 4×1
   77.9477
  -68.4095
   -7.7021
    1.0000
```

```
a = a(1:end-1)
```

```
a = 3×1
   77.9477
  -68.4095
   -7.7021
```

```
b = pplus*uv(2,1:end)'
```

```
b = 4×1
10^4 ×
   -2.0908
    1.2191
    0.4493
   -0.0159
```

```
b = b/b(end)
```

```
b = 4×1
  131.7193
  -76.8051
  -28.3077
    1.0000
```

```
b = b(1:end-1)
```

```
b = 3×1
  131.7193
  -76.8051
  -28.3077
```

```
sqrt(sum(power(a-b,2)))
```

```
ans = 58.1933
```