

```
>> gci
```

```
World Coordinates:
```

```

1      2      0
4      0      6
0      8      9
10     0     12
13     0     15
16     0     10
14    12      0
10    12     14
12    14      0
10     8      6
```

```
World Homogeneous Coordinates:
```

```

1      2      0      1
4      0      6      1
0      8      9      1
10     0     12      1
13     0     15      1
16     0     10      1
14    12      0      1
10    12     14      1
12    14      0      1
10     8      6      1
```

```
Computed matrix A:
```

```
1.0e+04 *
```

```
Columns 1 through 10
```

```

0.0001    0.0002         0    0.0001         0         0         0         0 ✓
-0.1218   -0.2435
0         0         0         0    0.0001    0.0002         0    0.0001 ✓
-0.0697   -0.1394
0.0004         0    0.0006    0.0001         0         0         0         0 ✓
-0.4871         0
0         0         0         0    0.0004         0    0.0006    0.0001 ✓
-0.2787         0
0    0.0008    0.0009    0.0001         0         0         0         0 ✓
0   -0.9742
0         0         0         0         0    0.0008    0.0009    0.0001 ✓
0   -0.5574
0.0010         0    0.0012    0.0001         0         0         0         0 ✓
-1.2178         0
0         0         0         0    0.0010         0    0.0012    0.0001 ✓
-0.6967         0
0.0013         0    0.0015    0.0001         0         0         0         0 ✓
-1.5675         0
0         0         0         0    0.0013         0    0.0015    0.0001 ✓
-1.0150         0
0.0016         0    0.0010    0.0001         0         0         0         0 ✓
-1.9292         0
0         0         0         0    0.0016         0    0.0010    0.0001 ✓
```

```

-1.2492      0
    0.0014    0.0012      0    0.0001      0      0      0      0 ✓
-1.6881   -1.4469
      0      0      0      0    0.0014    0.0012      0    0.0001 ✓
-1.1833   -1.0143
    0.0010    0.0012    0.0014    0.0001      0      0      0      0 ✓
-1.2178   -1.4613
      0      0      0      0    0.0010    0.0012    0.0014    0.0001 ✓
-0.9263   -1.1115
    0.0012    0.0014      0    0.0001      0      0      0      0 ✓
-1.5567   -1.8161
      0      0      0      0    0.0012    0.0014      0    0.0001 ✓
-0.9927   -1.1582
    0.0010    0.0008    0.0006    0.0001      0      0      0      0 ✓
-1.3453   -1.0762
      0      0      0      0    0.0010    0.0008    0.0006    0.0001 ✓
-0.7013   -0.5610

```

Columns 11 through 12

```

      0   -0.1218
      0   -0.0697
-0.7307   -0.1218
-0.4180   -0.0697
-1.0960   -0.1218
-0.6271   -0.0697
-1.4613   -0.1218
-0.8361   -0.0697
-1.8086   -0.1206
-1.1711   -0.0781
-1.2058   -0.1206
-0.7808   -0.0781
      0   -0.1206
      0   -0.0845
-1.7048   -0.1218
-1.2968   -0.0926
      0   -0.1297
      0   -0.0827
-0.8072   -0.1345
-0.4208   -0.0701

```

Projection matrix:

```

    0.0551    0.0162    0.0111   -0.8653
    0.0321    0.0095    0.0062   -0.4966
    0.0000    0.0000    0.0000   -0.0007

```

Intrinsic parameters: $K = \begin{bmatrix} f_x & s & c_x & 0 & f_y & c_y & 0 & 0 & 1 \end{bmatrix}$

```

    0.0061    0.0592   82.3301
      0     0.2903   47.9109
      0      0     0.0677

```

Rotation matrix:

```

    0.3094    0.9350   -0.1734

```

0.1291	-0.2219	-0.9665
-0.9421	0.2766	-0.1893

Translation vector:

131.1358
-155.1665
0.0677

Reprojection errors:

2.0784
2.0019
2.7982
16.2059
157.1300
32.4813
57.7079
99.5641
292.6183
121.9248

Focal Length (fx, fy):

0.0061	0.2903
--------	--------

Principal Point (cx, cy):

82.3301	47.9109
---------	---------

>>