

% These are the points in the model's coordinate system

```
X_coord=[1.5  3.5  5.5  7.5  4.5  1.5  3.5  5.5  7.5  4.5
1.5  3.5  5.5  7.5  0    0    0    0    0    0    0
0    0    0] ;
```

```
Y_coord=[0    0    0    0    0    0    0    0    0    0
0    0    0    0    1.5  3.5    5.5    2.5    1.5  3.5
5.5    2.5  1.5  3.5    5.5];
```

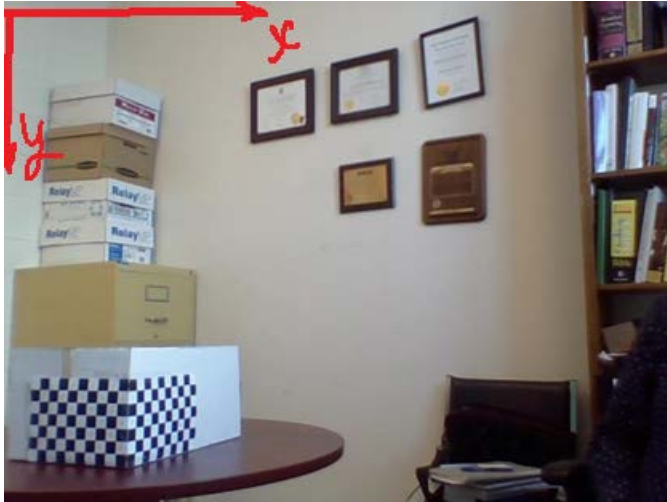
```
Z_coord=[ 0.5    0.5    0.5    0.5    1.5    2.5    2.5    2.5    2.5
3.5    4.5    4.5    4.5    4.5    0.5    0.5    0.5    1.5
2.5    2.5    2.5    3.5  4.5  4.5    4.5] ;
```

```
P_M = [X_coord; Y_coord; Z_coord; ones(1,25)];
```



```
%points for image MyofficePos1- dy=[x1;y1;x2;y2;x3;y3;...xn;yn]
```

```
yd=[ 421; 421;  
     436; 420;  
     451; 419;  
     465; 417;  
     444; 408;  
     420; 399;  
     436; 398;  
     451; 397;  
     465; 396;  
     443; 387;  
     420; 378;  
     435; 377;  
     450; 377;  
     464; 376;  
     397; 419;  
     384; 417;  
     372; 414;  
     390; 407;  
     397; 398;  
     384; 396;  
     371; 395;  
     390; 387;  
     397; 378;  
     384; 376;  
     371; 375];
```



```
%Points for image MyofficePos2- yd=[x1;y1;x2;y2;x3;y3;...xn;yn]
yd= [129;437;
    143;433;
    156;429;
    168;427;
    150;420;
    130;413;
    144;410;
    158;407;
    170;405;
    152;397;
    131;389;
    145;387;
    158;385;
    170;383;
    102;439;
    82;437;
    63;436;
    92;426;
    102;414;
    83;413;
    64;412;
    93;402;
    103;390;
    84;390;
    65;390];
```