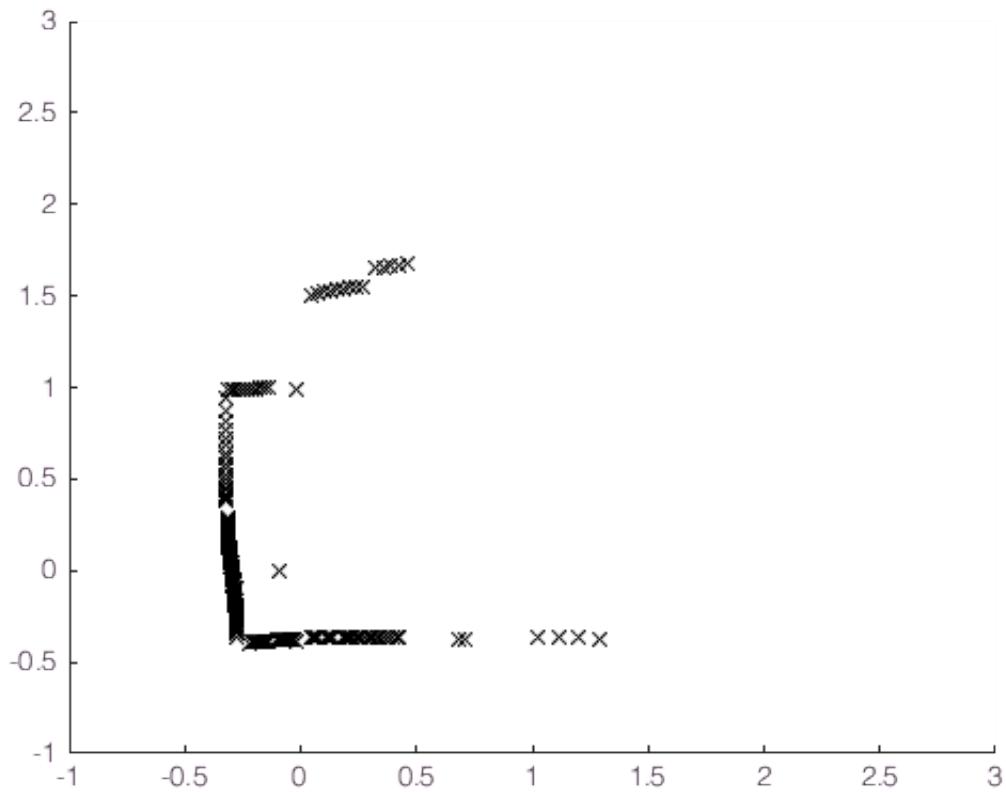


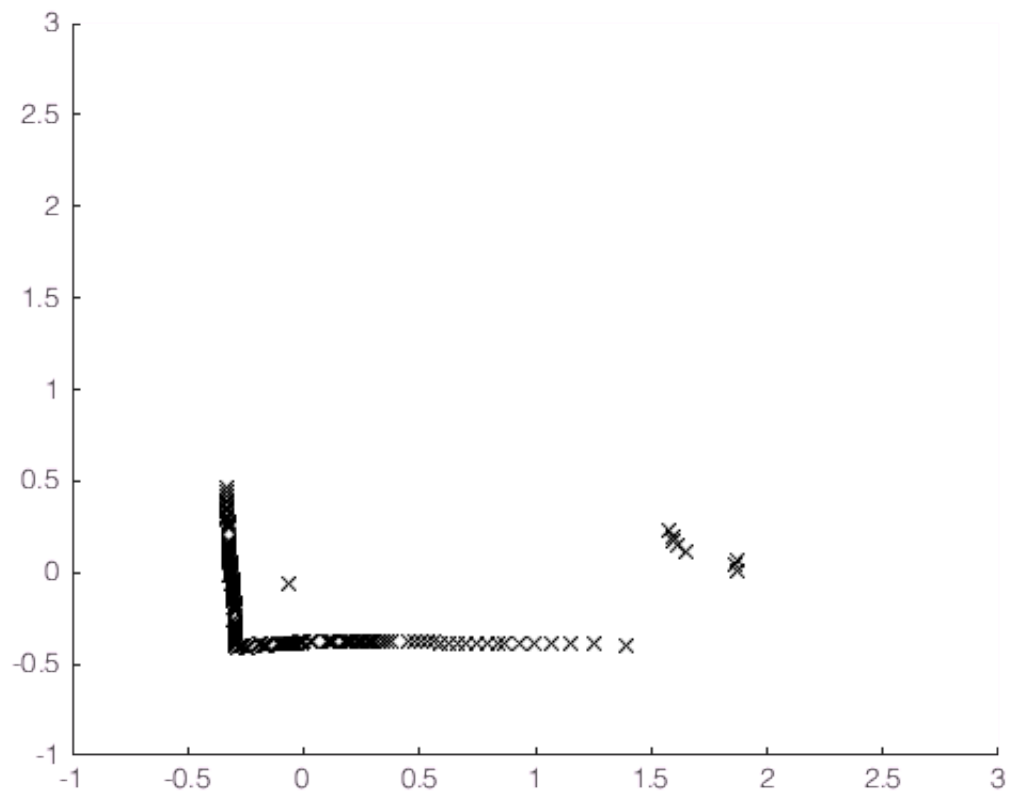
1)

```
d = 0.0889; %m
[x1,y1] = pol2cart(deg2rad(theta_1),r_1);
x1 = x1 - d;
clf
hold on
plot(x1,y1, 'kx')
axis([-1,3,-1,3])
```



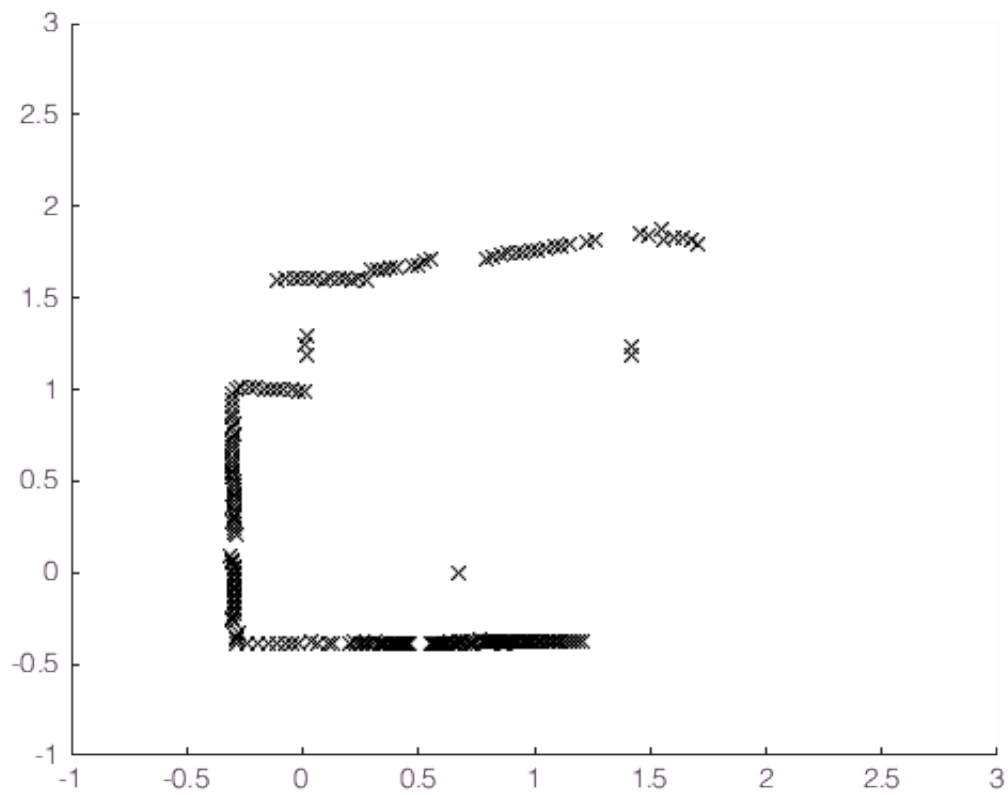
2)

```
figure
clf
[x2,y2] = pol2cart(deg2rad(theta_2),r_2);
x2 = x2 - d;
R = [cosd(45) -sind(45); sind(45) cosd(45)];
M = R*[x2';y2'];
hold on
axis([-1,3,-1,3])
plot(M(1,:),M(2,:), 'kx')
```



3)

```
figure
clf
[x3,y3] = pol2cart(deg2rad(theta_3),r_3);
x3 = x3 - d + 0.762;
hold on
axis([-1,3,-1,3])
plot(x3,y3,'kx')
```



4)

```
figure
clf
[x4,y4] = pol2cart(deg2rad(theta_4),r_4);
x4 = x4 - d;
R = [cosd(90) -sind(90) 0; sind(90) cosd(90) 0.4572; 0 0 1];
M = R*[x4';y4';ones(1,length(x4))];
hold on
axis([-1,3,-1,3])
plot(M(1,:),M(2:,:), 'kx')
```

