

```

[u,v] = circlefit;
plot(u,v,'o'); axis equal; l = length(u);

y = u.^2 + v.^2;
A = horzcat(2.*u, 2.*v, ones(1,1));
b = A \ y;
uc = b(1); vc = b(2); w = b(3); R = sqrt(uc^2 + vc^2 + w);
t = linspace(0, 2*pi, 1000);
plot(u,v,'o', R * cos(t) + uc, R * sin(t) + vc, '-');

```



