

机器人Exercise03

homework

补全代码如下：

```
1.      xc = mean(XY(1,:));
2.      yc = mean(XY(2,:));
3.
4.      % compute parameter alpha (see exercise pages)
5.      num    = -2*sum((XY(1,:)-xc).*(XY(2,:)-yc));
6.      denom = sum((XY(2,:)-yc).^2)-sum((XY(1,:)-xc).^2);
7.      alpha = 1/(2*(tan(num/denom)));
8.
9.      % compute parameter r (see exercise pages)
10.     r = xc*cos(alpha)+yc*sin(alpha);
```

运行结果如下：







