











Q

(<u>L</u>)

Unicysle model

$$\begin{bmatrix} \dot{x} \\ \dot{y} \\ \dot{\theta} \end{bmatrix} = \begin{bmatrix} \cos \theta & 0 \\ \sin \theta & 0 \\ 0 & 1 \end{bmatrix} \begin{bmatrix} v \\ \omega \end{bmatrix}$$

$$\dot{x} = f(x, 0)$$

$$\times = \begin{bmatrix} x \\ y \\ \theta \end{bmatrix}$$

$$0 = \begin{bmatrix} y \\ \omega \end{bmatrix}$$

$$\times = \begin{bmatrix} x \\ y \\ \theta \end{bmatrix}$$

$$\left(\begin{array}{c} \omega \\ \omega \end{array} \right)$$

