Ex -Sheet 05

13 September 2020 01:51

Exerche 1.

Exercise 2: Benson Model

$$z:\begin{pmatrix} z_r \\ z_\theta \end{pmatrix}$$
 $N_r\begin{pmatrix} \sigma_r^2 \\ \sigma_\theta^2 \end{pmatrix}$

p(3, 20) = p(2,)p(20) independence

measurement

sensor model: probability of measurement given the pose of robot for landmark l.

$$\mathcal{N}\left(\overline{z} = \hat{z} \middle| z_{1}\right)$$

$$\hat{z} = \left(\frac{z_{1}}{z_{0}}\right) = \left(\frac{z_{1}}{z_{0}}\right) = \left(\frac{z_{1}}{z_{0}}\right)$$

$$p(z|z_{1}) = \left(\frac{z_{1}}{z_{0}}\right) = \left(\frac{z_{1}}{z_{0}}\right) = \left(\frac{z_{1}}{z_{0}}\right) = \left(\frac{z_{1}}{z_{0}}\right)$$

$$p(z|z_{1}) = \left(\frac{z_{1}}{z_{0}}\right) = \left(\frac{z_{1}}{z_{0}}\right) = \left(\frac{z_{1}}{z_{0}}\right) = \left(\frac{z_{1}}{z_{0}}\right) = \left(\frac{z_{1}}{z_{0}}\right)$$

$$p(z|z_{1}) = \left(\frac{z_{1}}{z_{0}}\right) = \left(\frac{z_{1}$$