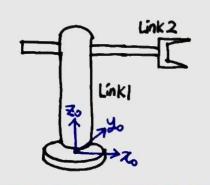
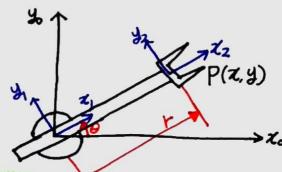
로봇공학 5장 과제

20150339 김진민

H/W.





: Frames - : Parist Vars

Cartesian Vars: 2,4
Joint Var's: 0,1

1) Forward Kinematics

$$\chi = \chi(\theta, F) = F \cos\theta$$

$$\chi = \chi(\theta, F) = F \sin\theta$$

ii) Jacobian

iii) Inverse velocity kinematics

$$\frac{|\dot{\theta}| = J \cdot \dot{u}}{|\dot{\phi}|} = \frac{|\dot{\phi}|}{|\dot{\phi}|} = \frac{|\dot{\phi}|}{|\dot{$$

$$\frac{1}{1} = -\frac{1}{1} \begin{bmatrix} \sin\theta - \cos\theta \\ -\frac{1}{1} \cos\theta - \frac{1}{1} \end{bmatrix} & \text{if } x \neq 0$$

$$\int \frac{1}{1} \int \frac{1}{1} \frac{1}{1} \frac{1}{1} \frac{1}{1} = \frac{1}{1} \int \frac{1}{1} \frac{1}{1} \frac{1}{1} \frac{1}{1} = \frac{1}{1} \int \frac{1}{1} \frac{1}{1} \frac{1}{1} \frac{1}{1} \frac{1}{1} = \frac{1}{1} \int \frac{1}{1} \frac{1}{1} \frac{1}{1} \frac{1}{1} \frac{1}{1} \frac{1}{1} \frac{1}{1} = \frac{1}{1} \int \frac{1}{1} \frac{1}{1}$$