

Parámetros Denavit-Hartenberg

Robot antropomórfico (proyecto)

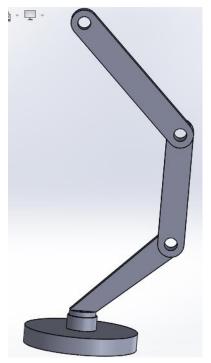
Práctica 1

8°B T/M

ASIGNATURA: CINEMÁTICA DE ROBOTS
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Robot antropomórfico (3 GDL)



| i | a_{i-1} | \propto_{i-1} | d_i | $\boldsymbol{\theta_i}$ |
|---|-----------|-----------------|-------|-------------------------|
| 1 | 0 | -90 | 0 | $	heta_1$ |
| 2 | L_1 | 0 | 0 | $	heta_2$ |
| 3 | L_2 | 0 | 0 | $	heta_3$ |

$$T_{1}^{0} = \begin{bmatrix} C\theta_{1} & -S\theta_{1} & 0 & 0 \\ S\theta_{1} & C\theta_{1} & 0 & 0 \\ 0 & 0 & 1 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}$$

$$T_{2}^{1} = \begin{bmatrix} C\theta_{2} & -S\theta_{2} & 0 & L_{1} \\ 0 & 0 & 1 & 0 \\ -S\theta_{2} & -C\theta_{2} & 0 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}$$

$$T_{3}^{2} = \begin{bmatrix} C\theta_{3} & -S\theta_{3} & 0 & L_{2} \\ S\theta_{3} & C\theta_{3} & 0 & 0 \\ 0 & 0 & 1 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}$$

$$T_{3}^{0} = T_{1}^{0}T_{2}^{1}T_{3}^{2} = \begin{bmatrix} C\theta_{3} & -S\theta_{3} & 0 & L_{2} \\ S\theta_{3} & C\theta_{3} & 0 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}$$

Evidencia

