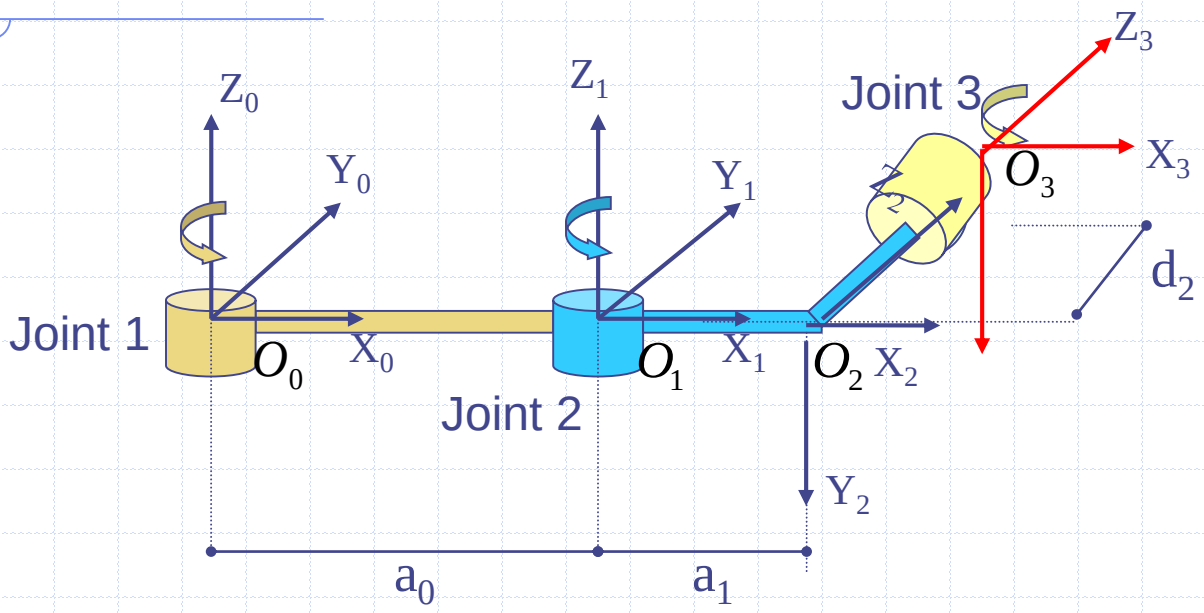
Example



Joint i	α_i	a_i	d_i	θ_i
1	0	a_0	0	θ_0
2	-90	a_1	0	θ_1
3	0	0	d_2	θ_2

Example

$$T_{i-1}^{i} = \begin{bmatrix} C\theta_i & -C\alpha_i S\theta_i & S\alpha_i S\theta_i & a_i C\theta_i \\ S\theta_i & C\alpha_i C\theta_i & -S\alpha_i C\theta_i & a_i S\theta_i \\ 0 & S\alpha_i & C\alpha_i & d_i \\ 0 & 0 & 0 & 1 \end{bmatrix}$$

$$T_0^3 = (T_{\mathbf{0}}^{1})(T_{\mathbf{1}}^{2})(T_{\mathbf{2}}^{3})$$

Example

Joint i	α_i	a_i	d_i	θ_i
1	0	a_0	0	θ_0
2	-90	a_1	0	θ_1
3	0	0	d_2	θ_2

$$T_0^1 = \begin{bmatrix} \cos\theta_0 & -\sin\theta_0 & 0 & a_0\cos\theta_0 \\ \sin\theta_0 & \cos\theta_0 & 0 & a_0\sin\theta_0 \\ 0 & 0 & 1 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}$$

$$T_1^2 = \begin{bmatrix} \cos\theta_1 & 0 & -\sin\theta_1 & a_1\cos\theta_1 \\ \sin\theta_1 & 0 & \cos\theta_1 & a_1\sin\theta_1 \\ 0 & -1 & 0 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}$$

$$T_2^3 = \begin{bmatrix} \cos\theta_2 & -\sin\theta_2 & 0 & 0 \\ \sin\theta_2 & \cos\theta_2 & 0 & 0 \\ 0 & 0 & 1 & d_2 \\ 0 & 0 & 0 & 1 \end{bmatrix}$$