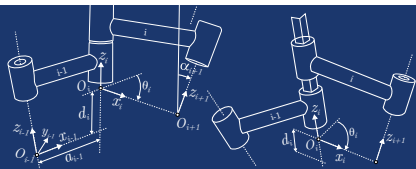
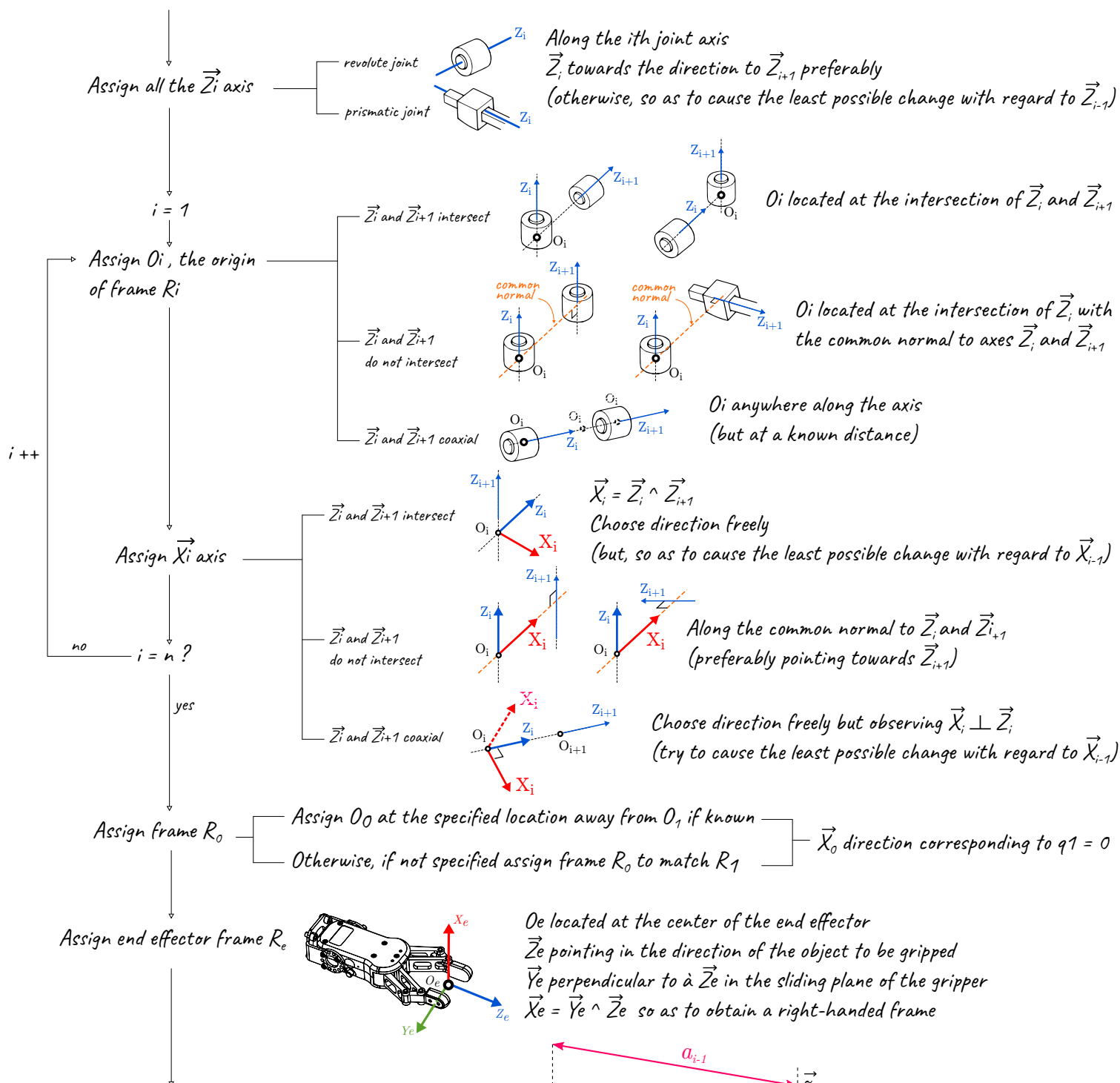


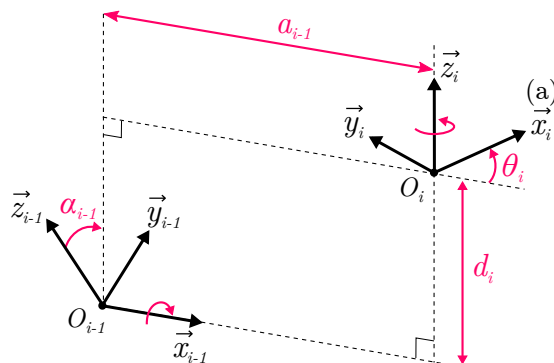
# DH-KK PARAMETER ASSIGNMENT FLOWCHART



Number consecutively the joint axes from 1 to n



Symbol	Name	Description
$a_{i-1}$	Link Length	$Z_{i-1} \xrightarrow[\text{@ } X_{i-1}]{\perp, \text{distance}} Z_i$
$\alpha_{i-1}$	Twist Angle	$Z_{i-1} \xrightarrow[\text{@ } X_{i-1}]{\curvearrowright, \text{rotation}} Z_i$
$d_i$	Joint Offset	$X_{i-1} \xrightarrow[\text{@ } Z_i]{\perp, \text{distance}} X_i$
$\theta_i$	Joint Angle	$X_{i-1} \xrightarrow[\text{@ } Z_i]{\curvearrowright, \text{rotation}} X_i$



	segment $i$	$\sigma_i$	$a_{i-1}$	$\alpha_{i-1}$	$d_i$	$\theta_i$
${}^0T_1$	1					
${}^1T_2$	2					
...	...					
${}^{n-1}T_n$	n					

$${}^{i-1}T_i = \begin{bmatrix} C\theta_i & -S\theta_i & 0 & a_{i-1} \\ S\theta_i C\alpha_{i-1} & C\theta_i C\alpha_{i-1} & -S\alpha_{i-1} & -d_i S\alpha_{i-1} \\ S\theta_i S\alpha_{i-1} & C\theta_i S\alpha_{i-1} & C\alpha_{i-1} & d_i C\alpha_{i-1} \\ 0 & 0 & 0 & 1 \end{bmatrix}$$