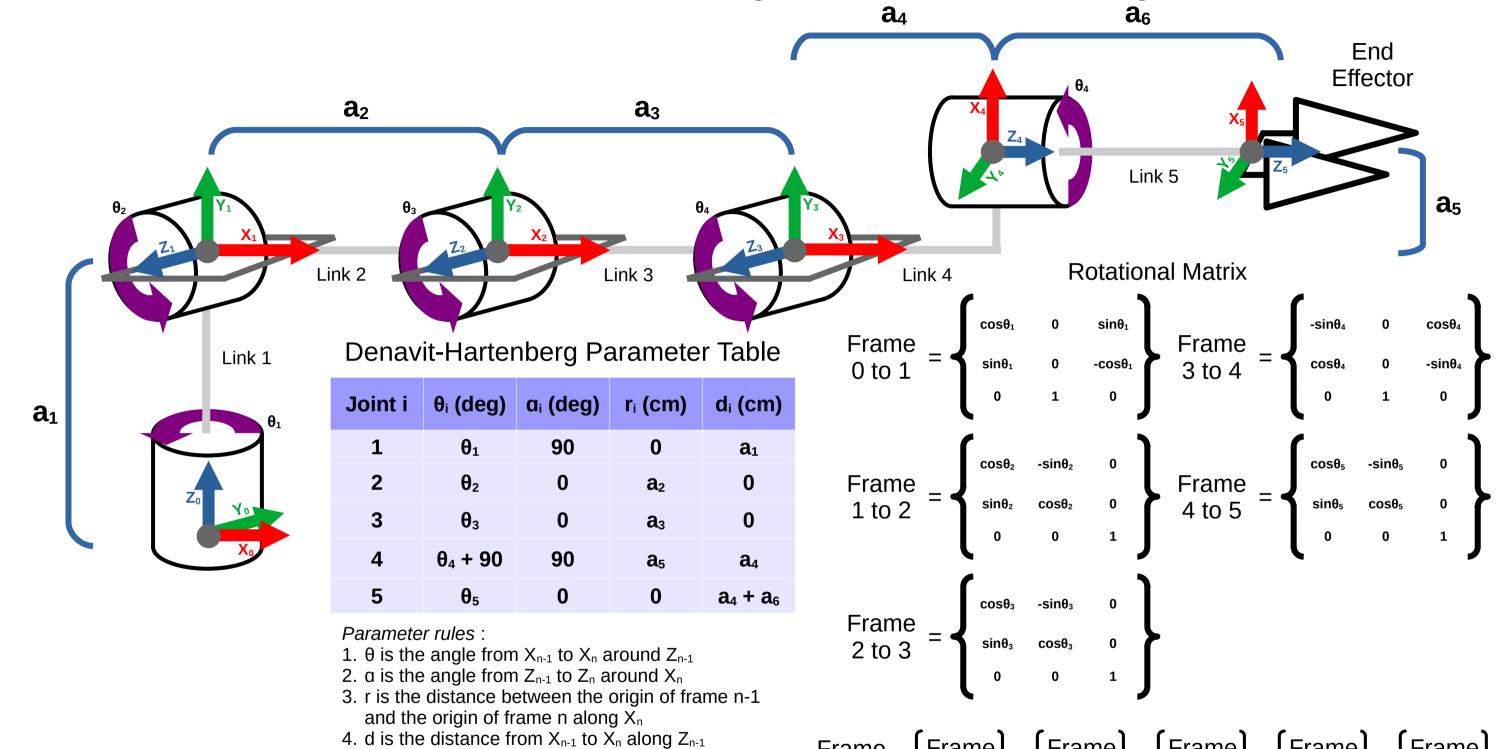
Grab-It Kinematics Model using Denavit-Hartenberg Method



	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5
X	0	$a_2 \cos \theta_2$	$a_3 \cos \theta_3$	$a_4 \cos \theta_4$	0
Y	0	$a_2 sin\theta_2$	a₃sinθ₃	$a_4\sin\theta_4 + a_5$	0
Z	a ₁	0	0	0	a_6

Frame
$$0 \text{ to } 5 = \begin{cases} Frame \\ 0 \text{ to } 1 \end{cases} \times \begin{cases} Frame \\ 1 \text{ to } 2 \end{cases} \times \begin{cases} Frame \\ 2 \text{ to } 3 \end{cases} \times \begin{cases} Frame \\ 3 \text{ to } 4 \end{cases} \times \begin{cases} Frame \\ 4 \text{ to } 5 \end{cases}$$

		X_5	Y ₅	Z ₅
Frame 0 to 5	X_0	0	0	1
With all $\theta_n = 0^{\circ}$	Y ₀	0	-1	0
	Z ₀	1	0	0

- 0 : Axes are perpendicular
- 1 : Axes point in the same direction
- -1 : Axes point in opposite directions