

Assignment of D-H frames: Kuka KR5 Sixx R650

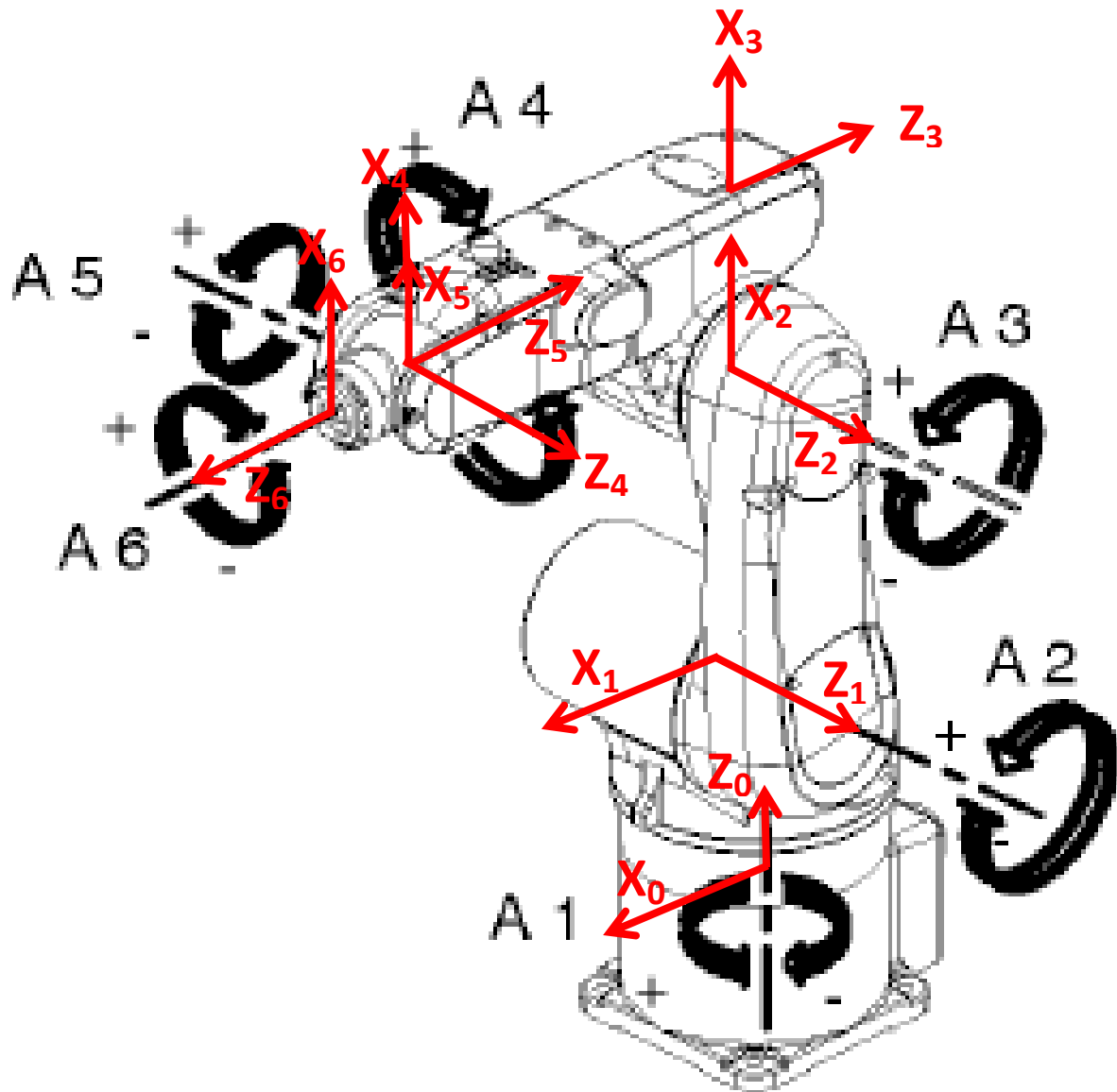


Table of D-H parameters:

i	α_i	d_i	a_i	θ_i
1	$-\pi/2$	$d_1 = 0.132$	$a_1 = 0.075$	$q_1 = 0$
2	0	0	$a_2 = 0.270$	$q_2 = -\pi/2$
3	$\pi/2$	0	$a_3 = 0.09$	$q_3 = 0$
4	$-\pi/2$	$d_4 = -0.295$	0	$q_4 = 0$
5	$\pi/2$	0	0	$q_5 = 0$
6	π	$d_6 = -0.08$	0	$q_6 = 0$

Note: the manipulator is placed on a fixed base with a height of 1.023m. (Should be added to $d_1 (= 0.132\text{m})$ in DH table).