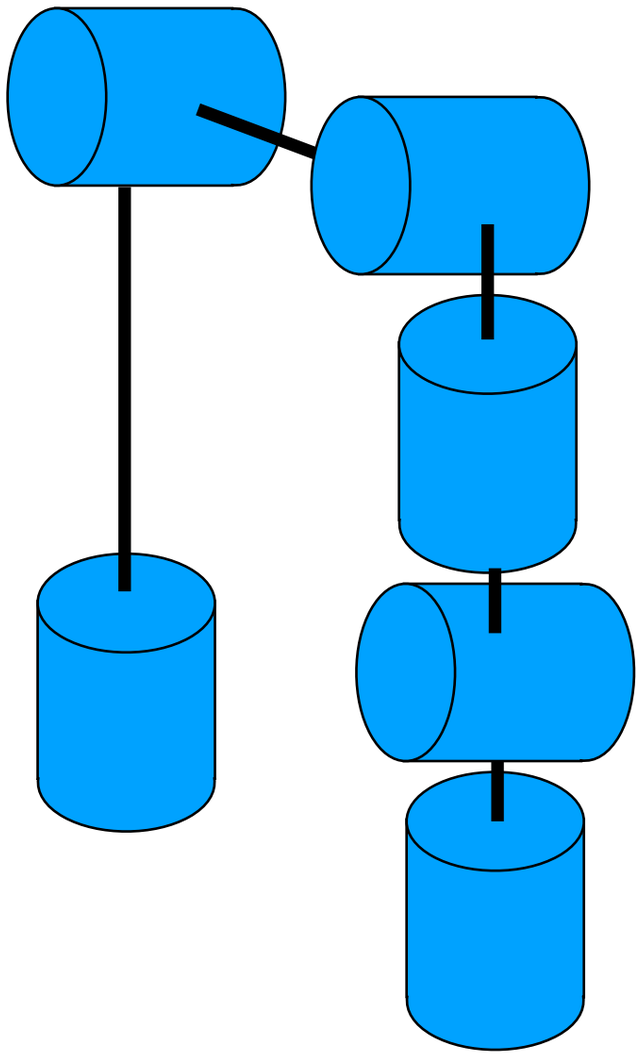
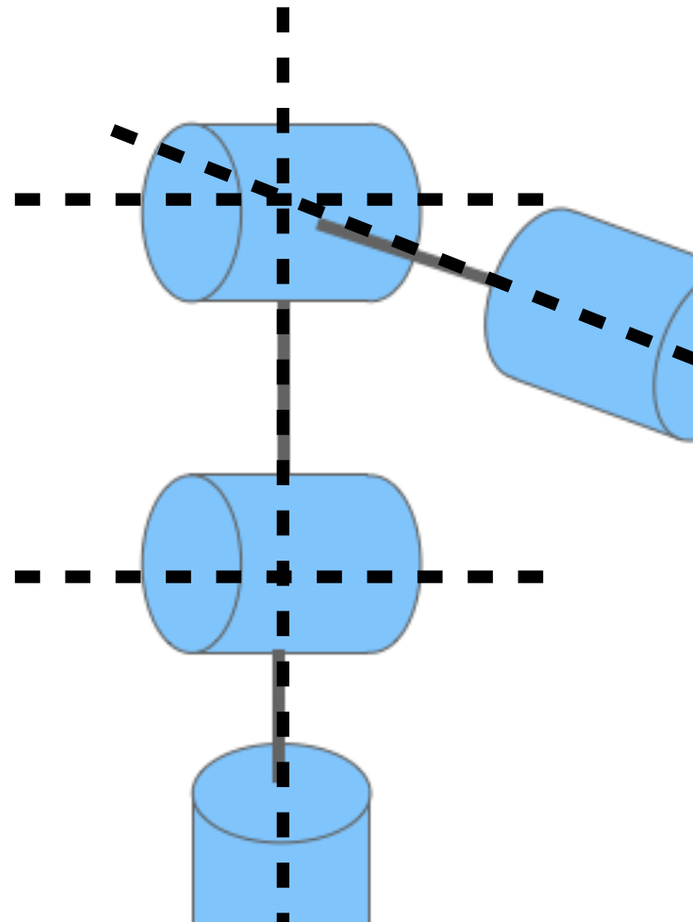
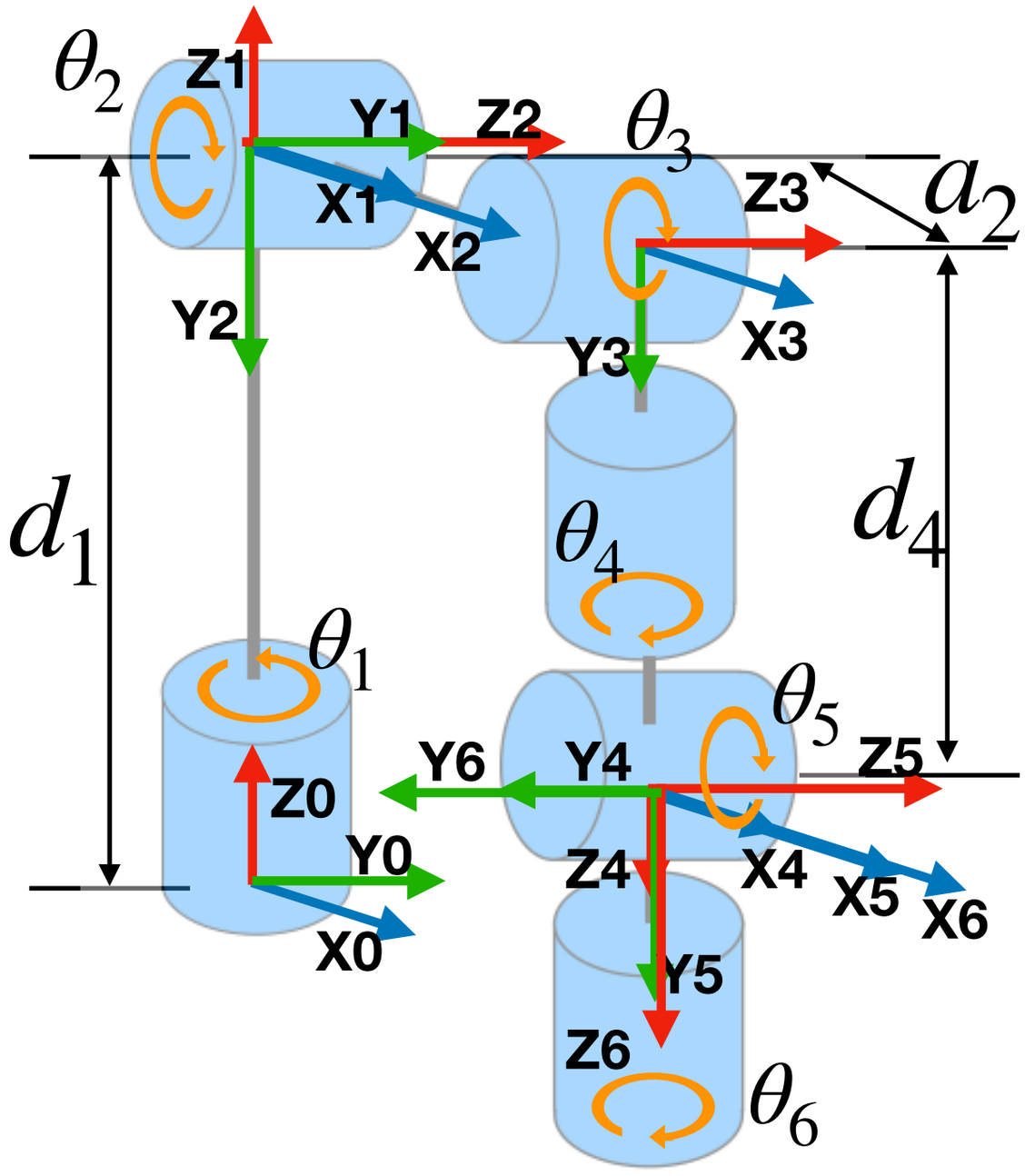
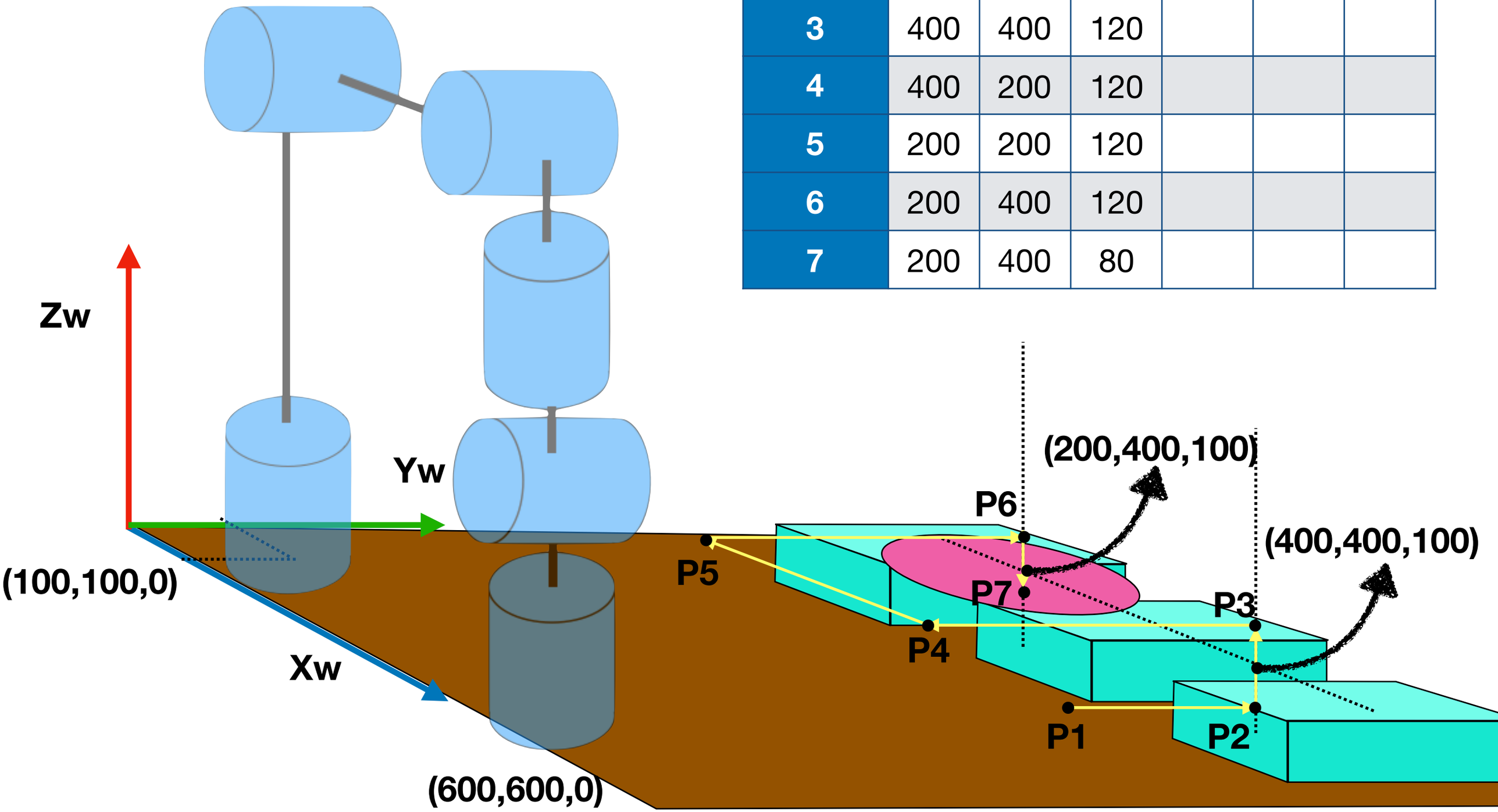


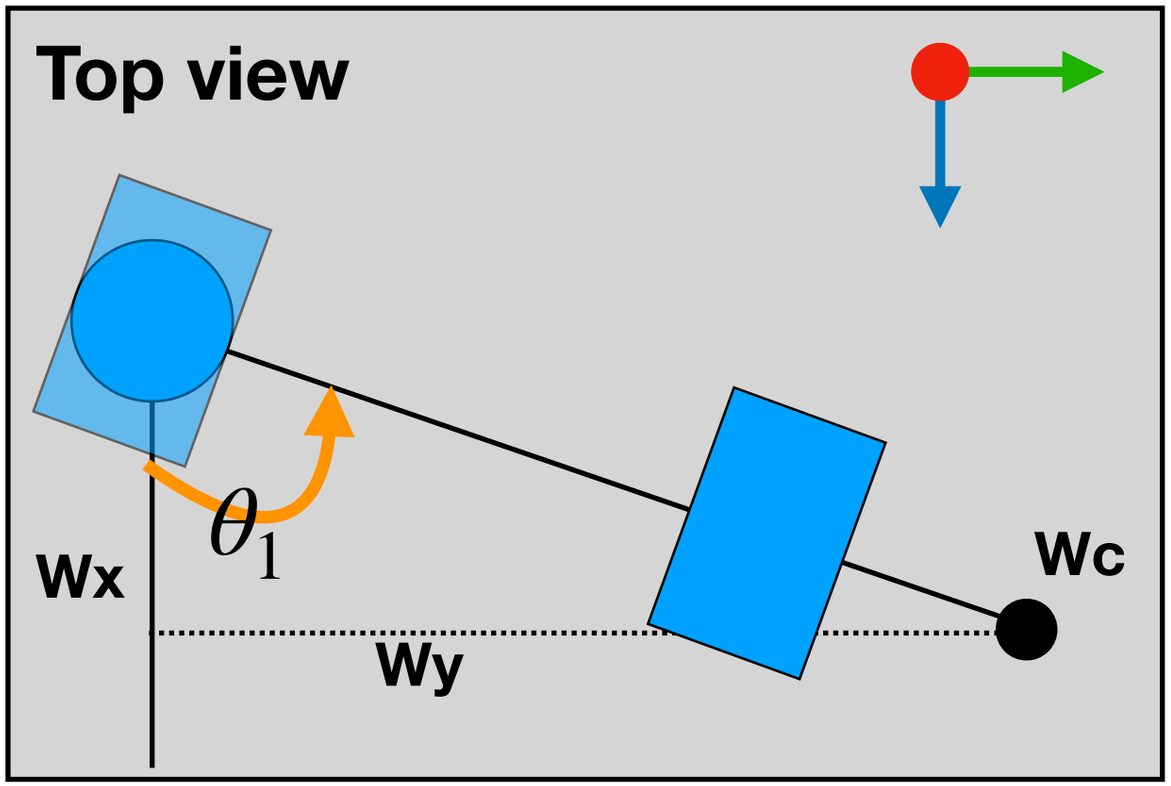


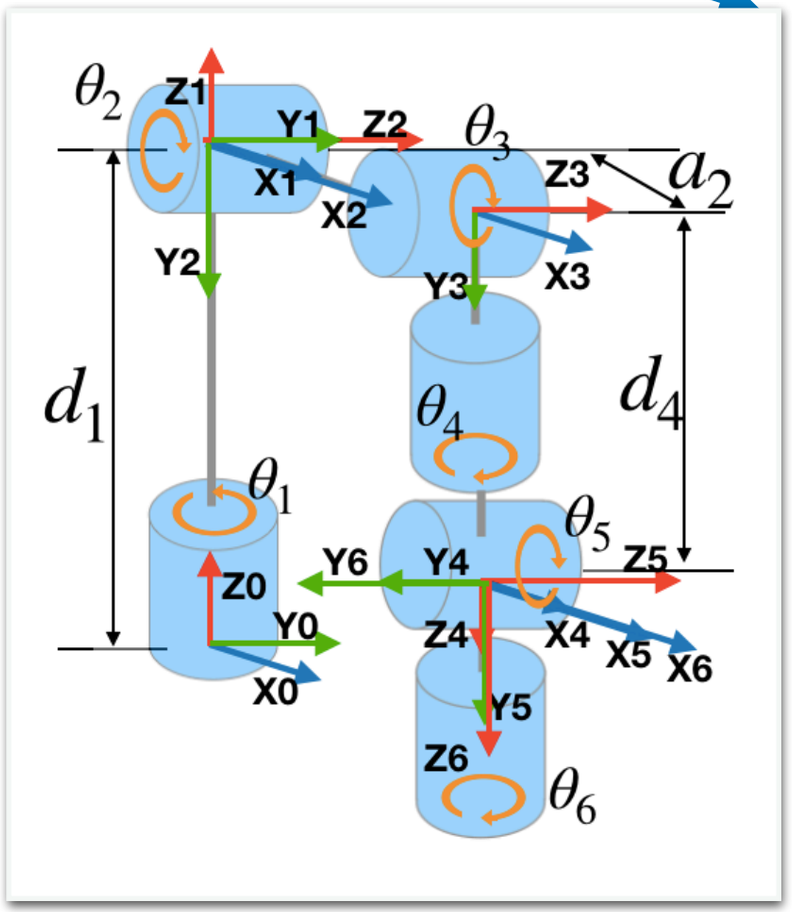


	α_{i-1}	a_{i-1}	d_i	θ_i
1	0	0	$d_1 = 373$	θ_1
2	-90	0	0	θ_2
3	0	$a_2 = 340$	0	θ_3
4	-90	0	$d_4 = 338$	θ_4
5	90	0	0	θ_5
6	-90	0	0	θ_6

Position	X	Y	Z	ϕ_X	ϕ_Y	ϕ_Z
1	400	200	80			
2	400	400	80			
3	400	400	120			
4	400	200	120			
5	200	200	120			
6	200	400	120			
7	200	400	80			

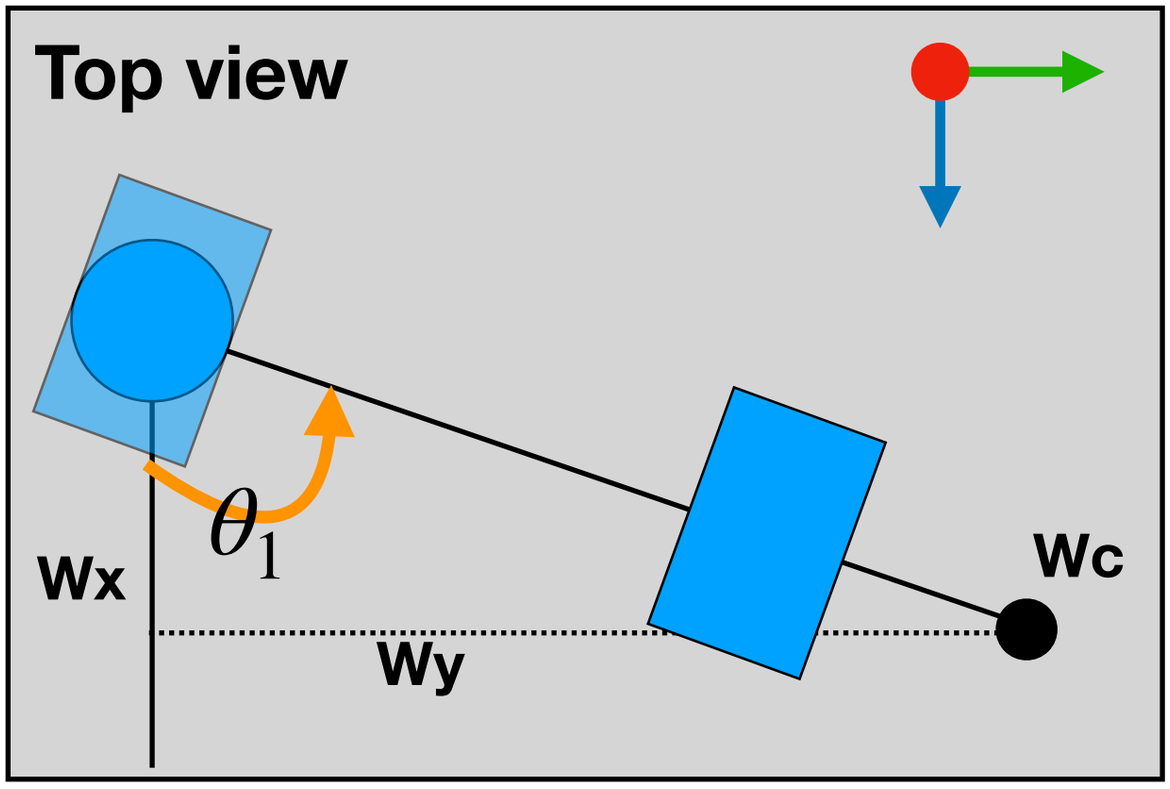






	α_{i-1}	a_{i-1}	d_i	θ_i
1	0	0	$d_1 = 373$	θ_1
2	-90	0	0	θ_2
3	0	$a_2 = 340$	0	θ_3
4	-90	0	$d_4 = 338$	θ_4
5	90	0	0	θ_5
6	-90	0	0	θ_6

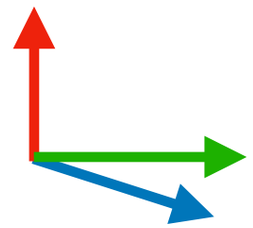
$$\theta_1 = cos^{-1}(\frac{Wy}{Wx})$$



$$\theta_1 = cos^{-1}(\frac{Wy}{Wx})$$

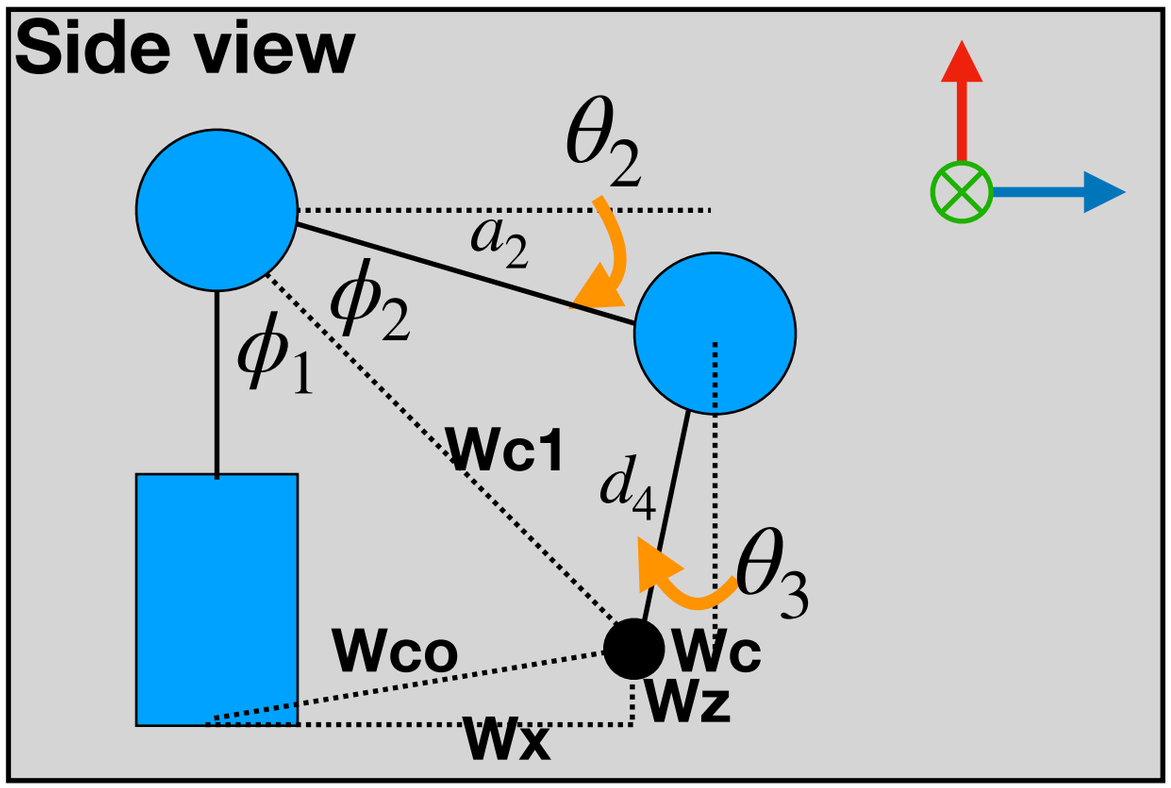
$$\theta_2 = \frac{2}{\pi} - (\phi_1 - \phi_2)$$

$$= \frac{2}{\pi} - [cos^{-1}(\frac{Wco^2 - d_1^2 - Wc1^2}{2 \times d1 \times Wc1}) - cos^{-1}(\frac{d_4'^2 - Wc1^2 - a_2'^2}{2 \times Wc1 \times a_2'})]$$



$$\theta_2 = \frac{2}{\pi} - (\phi_1 - \phi_2)$$

$$= \frac{2}{\pi} - [cos^{-1}(\frac{Wco^2 - d_1^2 - Wc1^2}{2 \times d1 \times Wc1}) - cos^{-1}(\frac{d_4^2 - Wc1^2 - a_2^2}{2 \times Wc1 \times a_2})]$$



製作模擬地圖

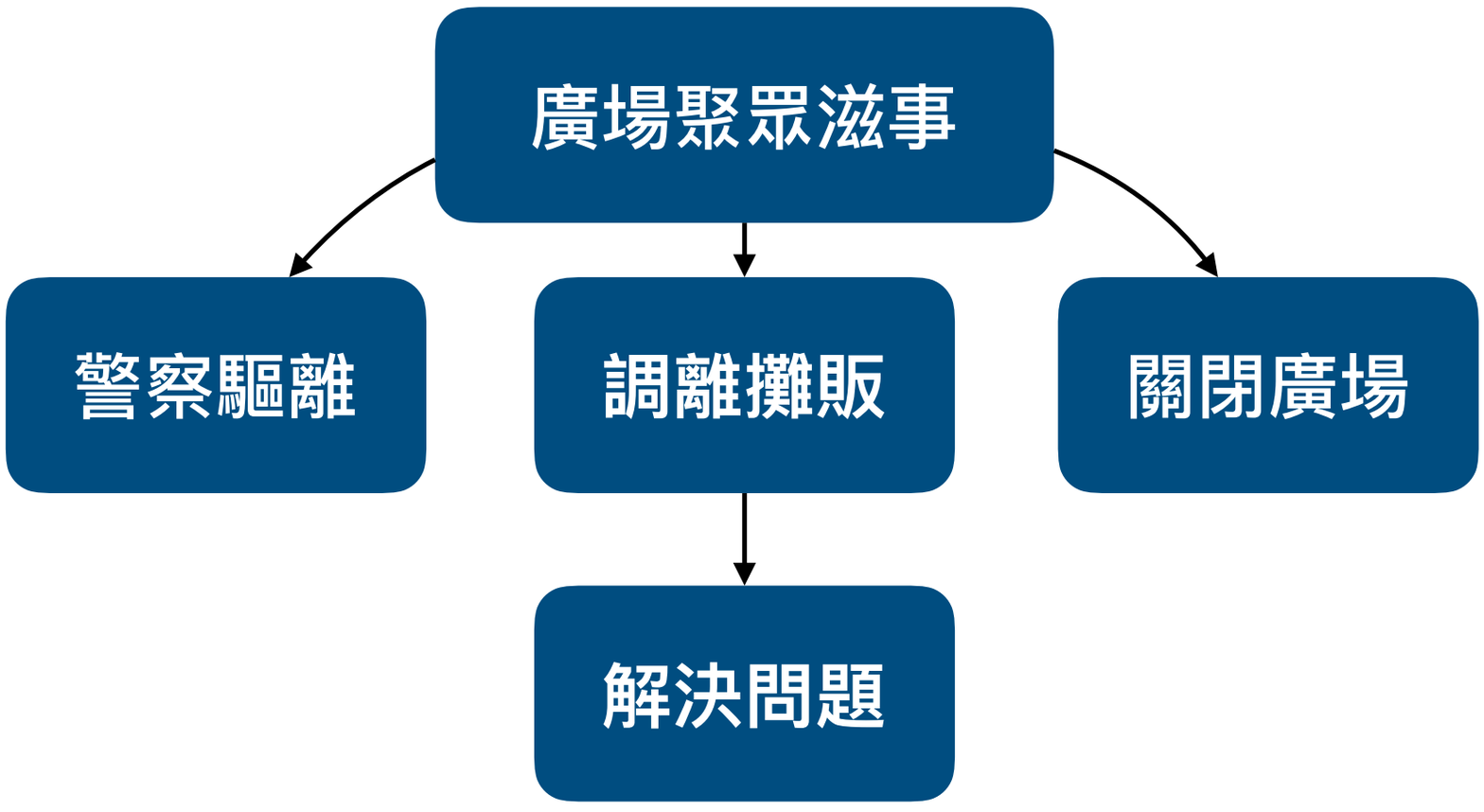
測試Gmapping

測試Navigation

測試Ar-tag

測試Audio assistant

整合




TURBO
AUTO
SELECT
START
ANALOG
1
2
3
4

學習node/topic

學習launch file (xml)

學習gazebo建模

學習car control

學習Ar-tag

學習gmpping

學習navigation

學習Alexa skill kit

整合