Team TTD

Project 2: Report

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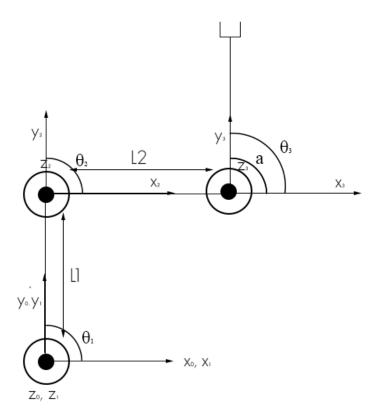


Figure 1: Robot Arm with frame attachments

I	α_{i-1}	a _{i-1}	d _i	Θ_{i}
1	0	0	0	Θ_1
2	0	L1	0	Θ_2
3	0	L2	0	Θ_3

Table 1: D-H Parameters

b) Inverse Kinematics

$$x_3 = x_1 \cos(\Theta_1) + x_2 \cos(\Theta_2)$$

$$y_3 = y_1 \sin(\Theta_1) + y_2 \sin(\Theta_2)$$

$$a = \Theta_3$$