CSCE 452 Project 1 Report

Raegan Lucero   Caleb McWilliams   Daniel Bartel

Deriving Reverse Kinematics

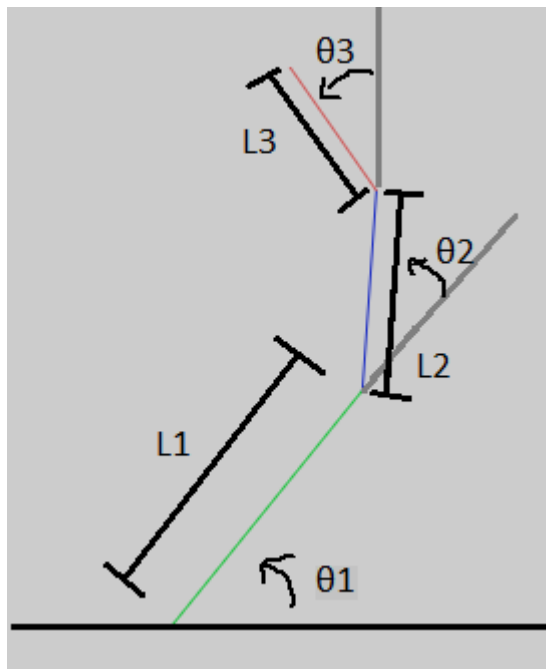### Link lengths and angles

Figure 1: Shows the link lengths and the angles for the paintbot
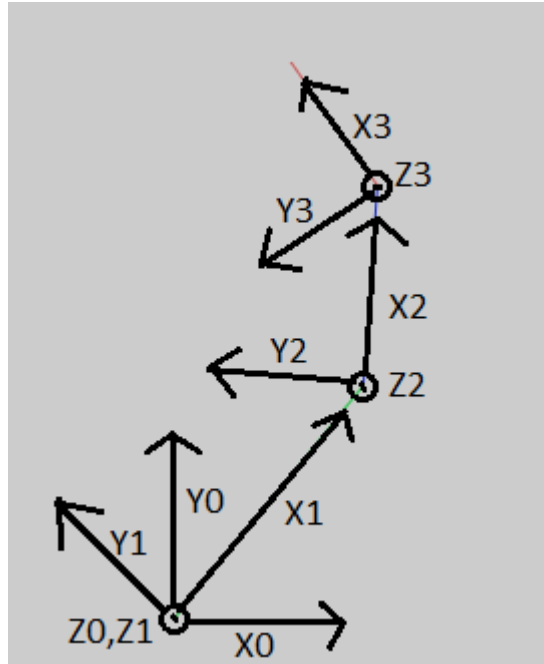
Frame Attachment

Figure 2: Shows the correct frame attachments for the paintbot. It shows the x,y, and z for each frame. Note that the circle with a dot denotes that the axle is pointing outside of the page

Link Parameters

i	α_{i-1}	a_{i-1}	d_i	θ_i
1	0	0	0	θ_1
2	0			θ_2
3	0	0	0	θ_3

Figure 3: Shows the link parameters for i one through 3 on the paintbot.