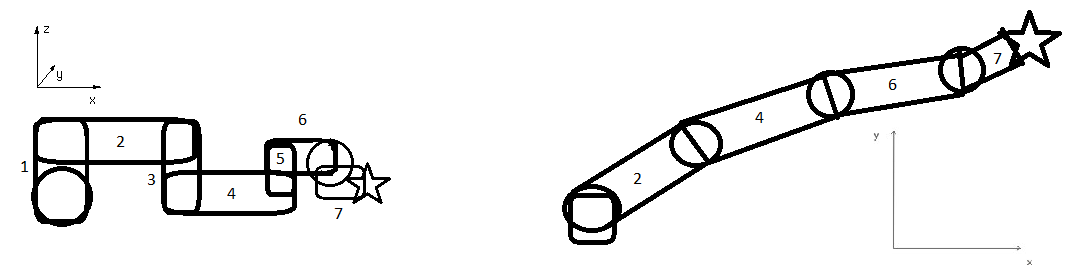
Forward kinematics of the UR5



In this calculation, these diagrams representing the UR5 will be used. Circles are joints, rectangles are links and the star stands for the end effector.

**Z7=.**

Where  is the angle between link 1 and the z axis, and is the angle between link 7 and the x axis.

**X7=**

Where is the angle of link 2,4,6 and 7 with the x axis and the angle of link 3 and 5 with the z axis.

**Y7= **

Where is the angle of link 2,4,6 and 7 with the x axis and the angle of link 3 and 5 with the z axis.