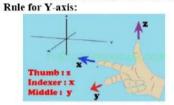
D-H Frame Rules

Rule 1: The Z-axis must be the axis of rotation for a revolute joint Rule 2: The X-axis must be

perpendicular to its own Z-axis and to the Z-axis of the previous frame

Rule 3: Each X-axis must intersect the Z-axis of the previous frame

Note if Rule 3 is not satisfied:
- Translate the axis until it hits the other



Rotation and Translation Parameters

Θ

Rotation around z_{n-1} by Θ , that is required to match x_{n-1} with x_n

a

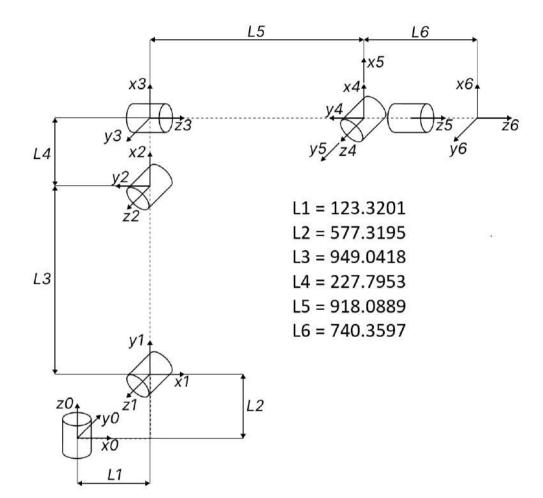
Rotation around x_n by α, that is required to match z_{n-1} with z_n

C

Distance between origins n-1 and n, along axis zn-1

I.

Distance between origins n-1 and n, along axis xn



| n | θ | α | r | d |
|---|-------|------|----|----|
| 1 | θ | 90° | L1 | L2 |
| 2 | θ+90° | 0° | L3 | 0 |
| 3 | θ | 90° | L4 | 0 |
| 4 | θ | 270° | 0 | L5 |
| 5 | θ | 90° | 0 | 0 |
| 6 | θ | 0° | 0 | L6 |

