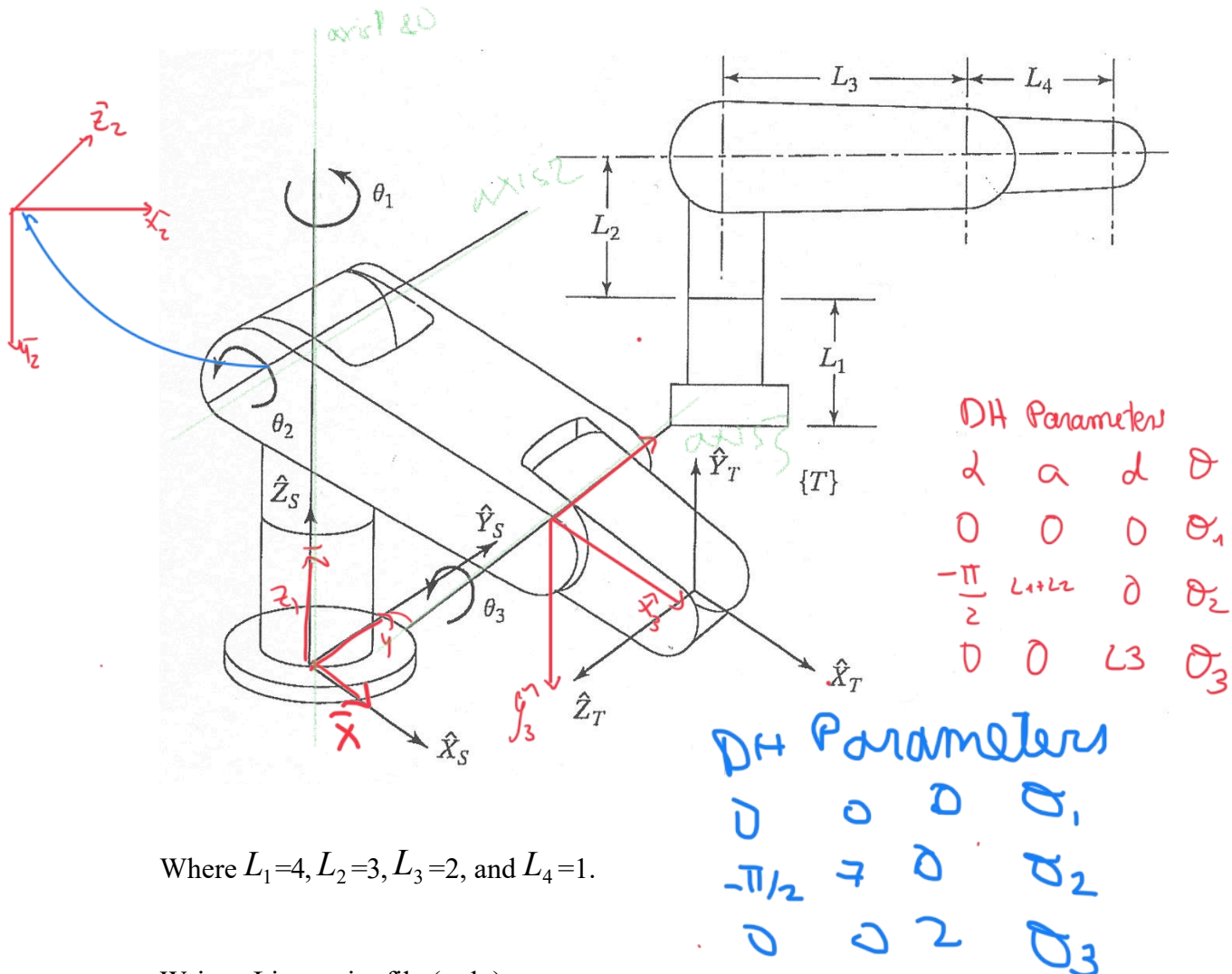


Forward Kinematic exercise

Given the following 3R robot



Where $L_1=4$, $L_2=3$, $L_3=2$, and $L_4=1$.

Write a Live script file (.mlx)

- 1) Draw on top of the figure de necessary frame
- 2) Derive the DH parameters table and the neighboring homogeneous transformation matrices ${}^{i-1}T_i$, for $i=1,2,3$, as functions of the joint angles
- 3) Implement the forward kinematics, that is ${}^T T_s$,
- 4) Calculate the result for the following joint angles: $(0, 0, 0)$, $(0, \pi/2, 0)$, and $(0, \pi/2, \pi/6)$.