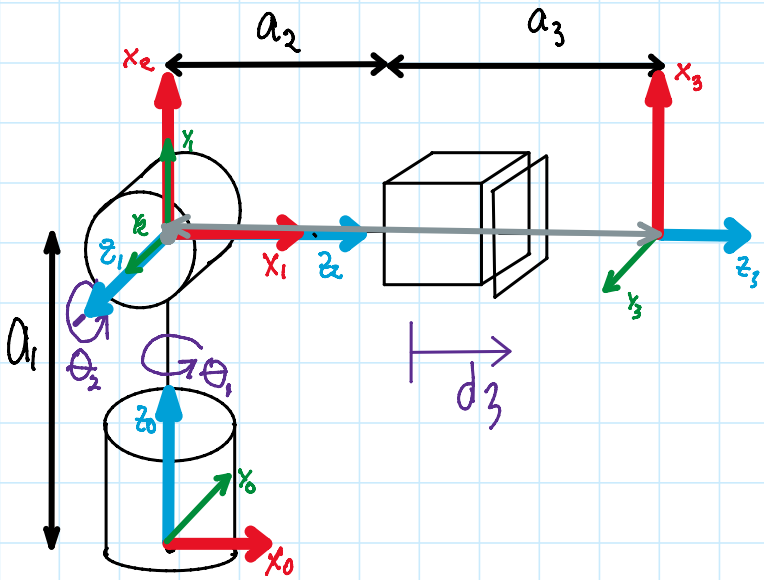
Position Vectors of Spherical Manipulator

Friday, 4 November 2022 11:00 am

3. Spherical



$$ {}^{0}_{1}P = \begin{bmatrix} 0 \\ 0 \\ a_1 \end{bmatrix} \begin{matrix} {}^{0}_{1}x \\ {}^{0}_{1}y \\ {}^{0}_{1}z \end{matrix} $$

$$ {}^{1}_{2}P = \begin{bmatrix} 0 \\ 0 \\ 0 \end{bmatrix} \begin{matrix} {}^{1}_{2}x \\ {}^{1}_{2}y \\ {}^{1}_{2}z \end{matrix} $$

$$ {}^{2}_{3}P = \begin{bmatrix} 0 \\ 0 \\ a_2+a_3+d_3 \end{bmatrix} \begin{matrix} {}^{2}_{3}x \\ {}^{2}_{3}y \\ {}^{2}_{3}z \end{matrix} $$