

$$\begin{bmatrix} -1.0 \sin(\theta_3) \sin(\theta_4) + \cos(\theta_3) \cos(\theta_4) & 0 & 1.0 \sin(\theta_3) \cos(\theta_4) + 1.0 \sin(\theta_4) \cos(\theta_3) & 5.74 \cos(\theta_3) \\ \sin(\theta_3) \cos(\theta_4) + \sin(\theta_4) \cos(\theta_3) & 0 & 1.0 \sin(\theta_3) \sin(\theta_4) - 1.0 \cos(\theta_3) \cos(\theta_4) & 5.74 \sin(\theta_3) \\ 0.0 & 1.0 & 0.0 & 0.0 \\ 0.0 & 0.0 & 0.0 & 1.0 \end{bmatrix}$$

$$\begin{bmatrix} 0.89200486978816 & 0 & 0.452025787178351 & -4.87079337726363 \\ 0.452025787178351 & 0 & -0.89200486978816 & 3.03693461832894 \\ 0.0 & 1.0 & 0.0 & 0.0 \\ 0.0 & 0.0 & 0.0 & 1.0 \end{bmatrix}$$