CSEADI ASSIGNMENT 7

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1D: 21101298 SECTION: 09

$$(3) A_{1} = \begin{bmatrix} 0080^{1} & -9in0_{1} \cos \alpha_{1}^{1} & \sin \theta_{1}^{1} \sin \alpha_{1}^{1} & \alpha_{1}^{1} \cos \theta_{1}^{1} \\ -9in0_{1}^{1} & \cos \theta_{1} \cos \alpha_{1}^{1} & -\cos \theta_{1}^{1} \sin \alpha_{1}^{1} & \alpha_{1}^{1} \sin \theta_{1}^{1} \\ 0 & -9in0_{1}^{1} & \cos \alpha_{1}^{1} & -\cos \theta_{1}^{1} \sin \alpha_{1}^{1} & \alpha_{1}^{1} \sin \theta_{1}^{1} \\ 0 & -9in0_{1}^{1} \cos \alpha_{1}^{1} & -\cos \theta_{1}^{1} \sin \alpha_{1}^{1} & -\cos \theta_{1}^{1} & -\cos \theta_{1}^{1} \sin \alpha_{1}^{1} & -\cos \theta_{1}^{1} & -\cos \theta_$$

$${}^{0}A_{3} = {}^{(0}A_{1})({}^{1}A_{2})({}^{1}A_{3}) \Rightarrow {}^{0}A_{3} = {}^{(0,0868 - 0.996 0)} {}^{(0,998 - 0.996 0)} {}^{(0,998 - 0.986 0)} {}^{(0,988 - 0.986$$

position 2 As
$$\begin{bmatrix} 0 \\ 0 \\ 0 \end{bmatrix}$$
 = $\begin{bmatrix} 10.997 \\ 18.718 \\ 0 \\ 1 \end{bmatrix}$