$$H^{\circ}_{i} = \begin{bmatrix} \cos \theta_{i} & -\sin \theta_{i} & 0 \\ \sin \theta_{i} & \cos \theta_{i} & 0 \end{bmatrix}$$

$$H_{x}^{2} = \begin{bmatrix} \cos \theta_{1} & -\sin \theta_{2} & 0 \\ \sin \theta_{1} & \cos \theta_{1} & 0 \\ 0 & 0 \end{bmatrix}$$

$$H^{\circ}_{2} = \begin{bmatrix} \cos \theta, & -\sin \theta, & 0 \\ \sin \theta, & \cos \theta, & 0 \end{bmatrix} \begin{bmatrix} 1 & 0 & 1 \\ 0 & 1 & 0 \\ 0 & 0 & 1 \end{bmatrix}$$

$$= \begin{bmatrix} \cos \theta_1 & -\sin \theta_1 & |\cos \theta \\ & \cos \theta_1 & |\cos \theta \end{bmatrix}$$

$$H_{3}^{\circ} = \begin{bmatrix} \cos \theta_{1} & -\sin \theta_{1} & 0 \\ \sin \theta_{1} & \cos \theta_{1} & \cos \theta_{2} & \cos \theta_{1} \\ 0 & 0 \end{bmatrix} \begin{bmatrix} \cos \theta_{1} & -\sin \theta_{1} & \cos \theta_{2} & -\sin \theta_{2} & \cos \theta_{2} \\ \sin \theta_{1} & \cos \theta_{2} & \cos \theta_{2} & \cos \theta_{2} \\ 0 & 0 \end{bmatrix} \begin{bmatrix} \cos \theta_{1} & -\sin \theta_{2} & \cos \theta_{2} \\ \sin \theta_{2} & \cos \theta_{2} \\ 0 & 0 \end{bmatrix}$$

1, cos 0, 7 - Sint (cost, + (-Sint, cost) cost, cost, + (- Sint, Sinte) - sin b, Sin Oz + Cos b, Cos Oz 1, sin 0, sin b. . Cos Oz + (os O . sin ba day identicus (m (0,+0m) = Sin A, E (0, + 1 + 5 + 0 + (000) 1, cos A, - sin (0, +0.) cos (t. +t.) : cost, Cost, - Sint, Sint (0, (0, 0,) 1. Sin B, cos (0, + 02) Sin (0, +0.) 12 (03 (0,+02)+ 1, Cos A, 7 - Sin (0, +0,) H'4 . | (0, + 8c) la sin (bi + de) + la sin de cos (0, + 0~) 1, (o, 0, + 12 (o, (0,+02) - sin (+1++-) 1. sin to + l 1 sin (birtz) (0, +0.) cos (0, +0. sin (0,+0c)