$$\frac{Z_{0}}{\sqrt{2}} = \begin{bmatrix} 1 & 0 & \sqrt{2} & \sqrt{2} \\ 0 & \sqrt{2} & \sqrt{2} & \sqrt{2} \\ 0 & -\sqrt{2} & \sqrt{2} & \sqrt{2} \\ 0 & -\sqrt{2} & \sqrt{2} & \sqrt{2} \end{bmatrix}$$

$$\frac{V_{1}}{\sqrt{2}} = \begin{bmatrix} 1 & 0 & \sqrt{2} & \sqrt{2} \\ 0 & -\sqrt{2} & \sqrt{2} & \sqrt{2} \end{bmatrix}$$

$$P = P \Rightarrow P = (P \circ)^{-1} P \circ$$

$$P = (P \circ)^{-1} = P \circ$$

$$P = (P \circ)^{-1}$$

Fixed frame:

$$P^2 = R_1^0 P^1$$
 $P^2 = R_2^0 P^2$ 
 $P^2 = (R_1^0)^1 R_2^0 (R_1^0)^1$ 
 $P^2 = R_1^0 P^2$ 
 $P^2 = R_1^0 P^2$ 

2.14 Ex. SHV Poty (by projection)

Take  $\begin{vmatrix} 2 & 2 & 2 \\ 2 & 2 & 2 \end{vmatrix}$ 

By sequential retains (Mattab)

$$\begin{cases}
p^{\circ} = R_{1}^{\circ}p + d_{1}^{\circ} \\
p = R_{2}^{\circ}p^{2} + d_{2}^{\circ}
\end{cases}$$

$$\Rightarrow p^{\circ} = R_{1}^{\circ}(R_{2}^{\circ}p^{2} + d_{2}^{\circ}) + d_{1}^{\circ} = R_{2}^{\circ}p^{2} + R_{1}^{\circ}d_{2}^{\circ} + d_{1}^{\circ}$$