$$P_{1} = \begin{bmatrix} 6 & env_{1} \\ 4 & env_{2} \\ 12 & rad r_{5} \end{bmatrix}, \quad \Theta = \frac{rv_{2}}{2}$$

$$P_{1} = \begin{bmatrix} 6 \\ 4 \\ 12 \end{bmatrix} \begin{bmatrix} \cos \frac{rv_{2}}{2} & \sin^{2} v & O \\ -\sin^{2} v & \cos^{2} v & O \\ O & O & 1 \end{bmatrix} = \begin{bmatrix} 6 \\ 4 \\ 12 \end{bmatrix} \begin{bmatrix} O & 1 & O \\ -1 & O & O \\ O & O & 1 \end{bmatrix} = \begin{bmatrix} 4 & env_{5} \\ -6 & env_{5} \\ 12 & rad r_{5} \end{bmatrix}$$

$$P_{c} = R(\Theta)_{P_{c}}, \text{ or } P_{c} = P_{c}R(\Theta)$$

$$P_{i} = \begin{bmatrix} 6 & env_{i} \\ 2 & env_{i} \\ 18 & env_{i} \end{bmatrix}, \quad \Theta = \frac{37}{2}$$

$$P_{i} = \begin{bmatrix} 6 \\ 2 \\ 18 \end{bmatrix} \begin{bmatrix} \cos^{3}2_{1} & -\sin^{3}2_{2} & O \\ \sin^{1}2_{2} & \cos^{3}2_{2} & O \\ O & O & 1 \end{bmatrix} = \begin{bmatrix} 6 \\ 2 \\ 18 \end{bmatrix} \begin{bmatrix} 0 & 1 & O \\ -1 & O & O \\ O & O & 1 \end{bmatrix} = \begin{bmatrix} 2 & env_{i} \\ -6 & env_{i} \\ 18 & env_{i} \end{bmatrix}$$

$$\theta = \frac{\pi}{2}$$
 $f = 6 \text{ cm}$
 $l = 2 \text{ cm}$
 $\theta = 8 \frac{\pi}{2}$
 $\theta = 4 \frac{\pi}{2}$

$$\frac{F_{quation}}{\rho_{I}} = R(\theta)^{-1} \begin{bmatrix} \frac{r\phi_{1}}{2} + \frac{r\phi_{2}}{2} \\ 0 \\ \frac{r\phi_{1}}{2!} - \frac{r\phi_{2}}{2!!} \end{bmatrix}$$

$$\rho_{I} = \begin{bmatrix} \cos^{n} y_{2} & \sin^{n} y_{1} & 0 \\ \sin^{n} y_{2} & \cos^{n} y_{1} & 0 \\ 0 & 0 & 1 \end{bmatrix} \begin{bmatrix} \frac{6y}{2} + \frac{6 \cdot 4}{2} \\ 0 \\ \frac{6 \cdot y}{2!} - \frac{6 \cdot 4}{2!} \end{bmatrix}$$

$$= \begin{bmatrix} 0 & 1 & 0 \\ -1 & 0 & 0 \\ 0 & 0 & 1 \end{bmatrix} \begin{bmatrix} \frac{36}{6} \\ 0 \\ \frac{6}{6} \end{bmatrix} = \begin{bmatrix} 0 & \cos^{n} y_{1} \\ -\frac{36}{6} & \cos^{n} y_{2} \\ \frac{6}{6} & \cos^{n} y_{3} \end{bmatrix}$$

