$$\mathcal{P}$$
 \mathcal{R}_{\prime} \mathcal{R}_{∞}

$$P \begin{vmatrix} x_0 \\ y_0 \\ z_0 \end{vmatrix} = E \begin{vmatrix} x_0(E) \\ y_0(E) \\ z_0(E) \end{vmatrix} = P \begin{vmatrix} x_1 \\ y_1 \\ z_1 \end{vmatrix}$$

$$\overrightarrow{SP} \begin{vmatrix} x_0 \\ y_0 \\ z_0 \end{vmatrix} \overrightarrow{SE} \begin{vmatrix} x_0(E) \\ y_0(E) \\ z_0(E) \end{vmatrix} \overrightarrow{EP} \begin{vmatrix} x_1 \\ y_1 \\ z_1 \end{vmatrix}$$

$$\begin{cases} x_1 = x_0 - x_0(E) \\ y_1 = y_0 - y_0(E) \\ z_1 = z_0 - z_0(E) \end{cases}$$

$$\overrightarrow{SE} = -\overrightarrow{ES}$$

$$S \begin{vmatrix} x_1(S) \\ y_1(S) \\ z_1(S) \end{vmatrix} \begin{cases} x_1(S) = -x_0(E) \\ y_1(S) = -y_0(E) \\ z_1(S) = -z_0(E) \end{cases}$$

$$\overrightarrow{V_0}(E)$$
 $\overrightarrow{V_0}(P)$ $\overrightarrow{V_1}(P)$

$$\overrightarrow{V_1}(P) = \overrightarrow{V_0}(P) - \overrightarrow{V_0}(E)$$

$$\overrightarrow{V_1}(S) = -\overrightarrow{V_0}(E)$$

$$(x_D^A,y_D^A,z_D^A)$$

$$(x_F^A, y_F^A, z_F^A)$$

$$(x_V^A, y_V^A, z_V^A)$$

$$(x_V^E, y_V^E, z_V^E)$$

$$\begin{pmatrix} x_D^A \\ y_D^A \\ z_D^A \end{pmatrix} = \begin{pmatrix} \cos(z_A + \zeta_A) - 2\sin^2\frac{\theta_A}{2}\cos z_A\cos\zeta_A & -\sin(z_A + \zeta_A) + 2\sin^2\frac{\theta_A}{2}\cos z_A\sin\zeta_A & -\cos z_a\sin\theta_A \\ \sin(z_A + \zeta_A) - 2\sin^2\frac{\theta_A}{2}\sin z_A\cos\zeta_A & \cos(z_A + \zeta_A) + 2\sin^2\frac{\theta_A}{2}\sin z_A\sin\zeta_A & -\sin z_a\sin\theta_A \\ \cos\zeta_A\sin\theta_A & -\sin\zeta_A\sin\theta_A & \cos\theta_A \end{pmatrix} \begin{pmatrix} x_F^A \\ y_F^A \\ z_F^A \end{pmatrix} = \begin{pmatrix} x_V^A \\ y_V^A \\ y_V^A \\ \end{pmatrix} =$$

$$\begin{pmatrix} x_V^A \\ y_V^A \\ z_V^A \end{pmatrix} = \\ \begin{pmatrix} \cos \Delta \psi & -\sin \Delta \psi \cos \varepsilon_A & -\sin \Delta \psi \sin \varepsilon_A \\ \cos \varepsilon_A' \sin \Delta \psi & \cos \Delta \varepsilon - 2 \sin^2 \frac{\Delta \psi}{2} \cos \varepsilon_A \cos \varepsilon_A' & -\sin \Delta \varepsilon - 2 \sin^2 \frac{\Delta \psi}{2} \sin \varepsilon_A \cos \varepsilon_A' \\ \sin \varepsilon_A' \sin \Delta \psi & \sin \Delta \varepsilon - 2 \sin^2 \frac{\Delta \psi}{2} \cos \varepsilon_A \sin \varepsilon_A' & \cos \Delta \varepsilon - 2 \sin^2 \frac{\Delta \psi}{2} \sin \varepsilon_A \sin \varepsilon_A' \end{pmatrix} \begin{pmatrix} x_D^A \\ y_D^A \\ z_D^A \end{pmatrix}$$

$$\begin{pmatrix} x_V^E \\ y_V^E \\ z_V^E \end{pmatrix} = \begin{pmatrix} 1 & 0 & 1 \\ 1 & \cos \epsilon_A' & \sin \epsilon_A' \\ 0 & -\sin \epsilon_A' & \cos \epsilon_A' \end{pmatrix} \begin{pmatrix} x_V^A \\ y_V^A \\ z_V^A \end{pmatrix}$$

$$\Delta \psi = \sum_{i=1}^{106} [A_i + A_i' \sin(ARGUMENT)]$$

$$\Delta \epsilon = \sum_{i=1}^{106} [B_i + B_i' \cos(ARGUMENT)]$$