$$x_{2} = x_{1}(\cos \psi_{2} + \frac{p_{x2}}{p_{z2}}\sin \psi_{2}),$$

$$y_{2} = y_{1} + \frac{p_{y2}}{p_{z2}}x_{1}\sin \psi_{2},$$

$$z_{2} = z_{1} - x_{1}\frac{p_{2}}{p_{z2}}\sin \psi_{2},$$
(100)

 $p_{x2} = p_{x1} \cos \psi_2 + p_{z1} \sin \psi_2$,

, where $\psi_2 \equiv ANGLE \times E2$.