

 $\beta = \arccos\left(\frac{\langle r_{\gamma_1}, r_{\beta_1} \rangle}{|r_{\gamma_1}||r_{\beta_1}|}\right) = 40.00397$

 $\varepsilon = \arctan\left(\frac{x_{\gamma_0}}{y_{\gamma_0}}\right) = 13.99307$