$$u(\tilde{x}) = [\alpha(\tilde{x}), \beta(\tilde{x}), \gamma(\tilde{x})], \, u'(\tilde{x}) = \frac{du}{d\vec{x}} = \begin{bmatrix} \frac{d\alpha}{dx} & \frac{d\alpha}{dy} & \frac{d\alpha}{dz} \\ \frac{d\beta}{dx} & \frac{d\beta}{dy} & \frac{d\beta}{dz} \\ \frac{d\gamma}{dx} & \frac{d\gamma}{dy} & \frac{d\gamma}{dz} \end{bmatrix}$$

$$q = \begin{bmatrix} \alpha_1 & \beta_1 & \gamma_1 \\ \alpha_2 & \beta_2 & \gamma_2 \\ \alpha_3 & \beta_3 & \gamma_3 \\ \alpha_4 & \beta_4 & \gamma_4 \end{bmatrix}$$

$u_3 = [\alpha_3, \beta_3, \gamma_3]$

$u_4 = [\alpha_4, \beta_4, \gamma_4]$

$u_2 = [\alpha_2, \beta_2, \gamma_2]$

$\vec{x_3}$

$\vec{x_4}$

$u_1 = [\alpha_1, \beta_1, \gamma_1]$

$\vec{x_2}$

$\vec{x_1}$

$\vec{x}(\tilde{x})$