$$\frac{\partial e}{\partial heta} = \begin{bmatrix} \frac{\partial e_q}{\partial x} & \longrightarrow & \frac{\partial e_q}{\partial c} \\ \frac{\partial e_z}{\partial x} & \longrightarrow & \frac{\partial e_z}{\partial c} \\ \frac{\partial e_x}{\partial x} & \longrightarrow & \frac{\partial e_x}{\partial c} \end{bmatrix}$$