$$y \frac{\partial F}{\partial t} + \frac{\partial F}{\partial z} = 0 \Rightarrow \frac{\partial z}{\partial z} = -y \frac{\partial F}{\partial u}$$

$$\frac{\partial F}{\partial u} = 0 \Rightarrow \frac{\partial F}{\partial v} = -y \frac{\partial F}{\partial u}$$

$$\frac{\times \cdot \partial F}{\partial u} + \frac{\partial F}{\partial v} \cdot \frac{\partial z}{\partial v} = 0 \Rightarrow \frac{\partial z}{\partial v} = - \times \frac{\partial F}{\partial u}$$

$$I = \times \cdot \begin{pmatrix} \frac{\partial F}{\partial u} \\ \frac{\partial F}{\partial v} \end{pmatrix} - y \cdot \begin{pmatrix} \frac{\partial F}{\partial u} \\ \frac{\partial F}{\partial v} \end{pmatrix}$$

$$I = \times \cdot \begin{pmatrix} \frac{\partial F}{\partial u} \\ \frac{\partial F}{\partial v} \end{pmatrix} - y \cdot \begin{pmatrix} \frac{\partial F}{\partial u} \\ \frac{\partial F}{\partial v} \end{pmatrix} = 0$$