Falkner Skan Transformation

$$Y = \sqrt{y \cup_{\infty} x} f(\eta)$$

$$\Rightarrow \frac{3\eta}{3x} = \left(-\frac{1}{2}\sqrt{\frac{U_{\infty}}{y}} - \frac{3/2}{x}\right) y. \quad \frac{3\psi}{3\eta} = \sqrt{y \cup_{\infty} x} \cdot \frac{df}{d\eta}.$$

$$= \left(-\frac{1}{2}\sqrt{\frac{U_{\infty}}{y}} - \frac{y}{x}\right)$$

$$= \frac{3\eta}{3x} = \left(-\frac{1}{2}\frac{\eta}{x}\right)$$

$$= \frac{3\psi}{3\eta} - \frac{3\eta}{3\eta}$$

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$$= \sqrt{y \cup_{\infty} x} \cdot \frac{df}{d\eta}$$

$$V = -\frac{3\psi}{3\eta}$$

$$= -\frac{3\psi}{3\psi}$$

$$= -\frac{3\psi}{3\eta}$$

$$= -\frac{3\psi$$

$$U = U \otimes \frac{\partial f}{\partial \eta}$$

$$= U \otimes \frac{\partial f}{\partial \eta} = \frac{\partial f}{\partial$$