Visualizing Convection

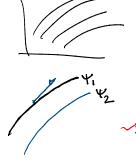
Monday, January 18, 2021 10:26 PM

Stream function

$$N = \frac{94}{94} \qquad ; \qquad N = -\frac{9x}{94}.$$

Kimura and Bejan - 1984, W

H(xx)H)



Frample.

Steady State, 2D, constant property, homogeneous fluid. ve

$$6C^{b}\left[\pi\frac{9x}{94} + 6\frac{94}{94}\right] = K\left[\frac{9x}{9x^{5}} + \frac{94}{94}\right]$$

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$$\left[6c^{b}n\frac{\partial x}{\partial t} - k\frac{\partial x}{\partial t}\right] + \left[6c^{b}n\frac{\partial x}{\partial t} - k\frac{\partial x}{\partial t}\right] = 0$$

$$\frac{\partial}{\partial x} \left[e^{c} \rho u \tau - \kappa \frac{\partial \tau}{\partial x} \right] + \frac{\partial}{\partial y} \left[e^{c} \rho u \tau - \kappa \frac{\partial \tau}{\partial y} \right] = 0. \quad --- 2$$

The heatfunction H(x, y) defines as

