Prandtl's Boundary layer equations

x-mom: $\rho u \dfrac{\partial u}{\partial x} + \rho v \dfrac{\partial u}{\partial y} = \rho_e u_e \dfrac{d u_e}{dx} + \mu \dfrac{\partial^2 u}{\partial y^2}$

y-mom: $\dfrac{\partial p}{\partial y} = 0 \implies p = p(x) = p_e(x)$

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