→ read book ch4!

For an irrotational flow, show that Bernoulli's holds true between any points, not just streamline

$\nabla \times V = 0 = \frac{\partial v}{\partial x} - \frac{\partial u}{\partial y}$ Streamline: $\frac{dx}{u} = \frac{dy}{v}$

$p_1 + \rho_1 g h_1 + \frac{1}{2}\rho(u_1^2+v_1^2) = p_2 + \frac{1}{2}\rho(u_2^2+v_2^2)$