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Therefore, the integral in Equation (11) is physically the decrement in momentum flow that exists across the wake, and from Equation (11), this wake momentum decrement is equal to the drag on the body. For incompressible flow,  $\rho = \text{constant}$  and is known. For this case, Equation (11) becomes  $D = \rho \int_{-\infty}^{\infty} u^2 (u_1 - u^2) dy$  (12)

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