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... other face is p (dp/ds)Ss Around + 58 Aerodynamics for Engineering Students t W Fig 2.4 The stream tube and element for the momentum equation w Fig 2.5 The forces on the element + the curved surface ... $20.05(288)^4 = 340.3 \text{ m s}^{-1}$ 68 Aerodynamics for Engineering Students Therefore, true air speed = $M a = 0.728 \times 340.3 \text{ 248 m s}^{-1} = 89 \text{ km h}^{-1}$ In this example, $\sim 7\%$ and therefore there is no effect due ... a still fluid Other surface forces, e.g surface tension, can be important in some ...

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