

# **Separation and Drag**

## **ME 322 Lecture Slides, Winter 2007**

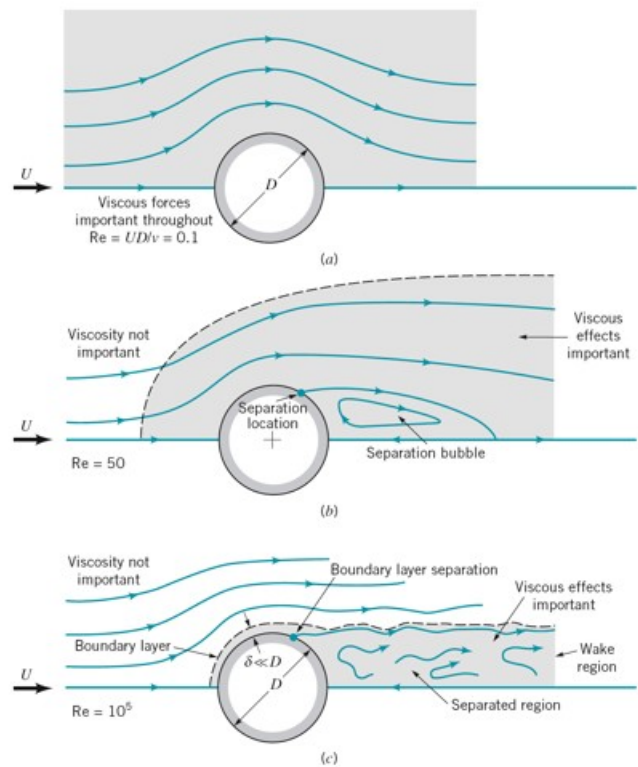
Gerald Recktenwald\*

February 8, 2007

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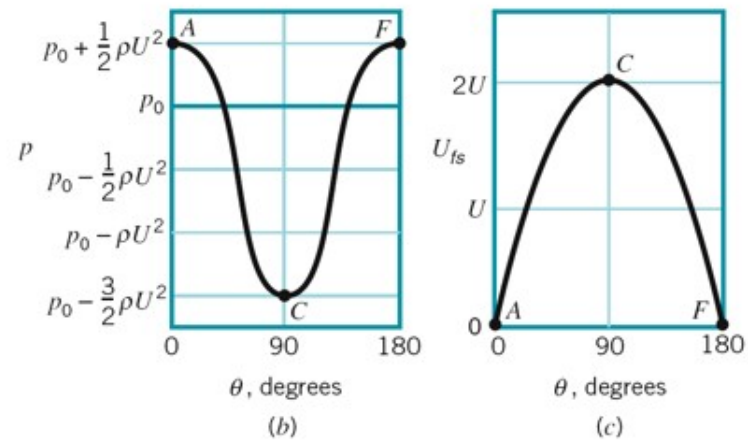
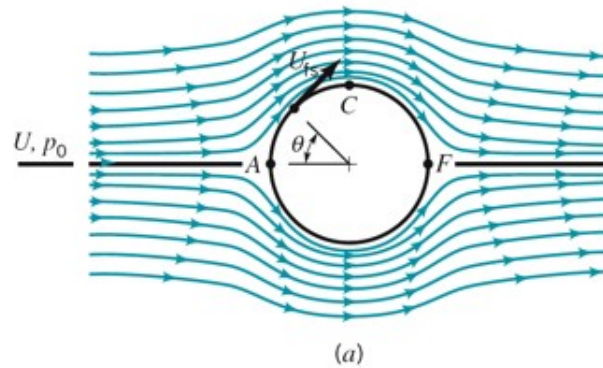
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# Flow Regimes



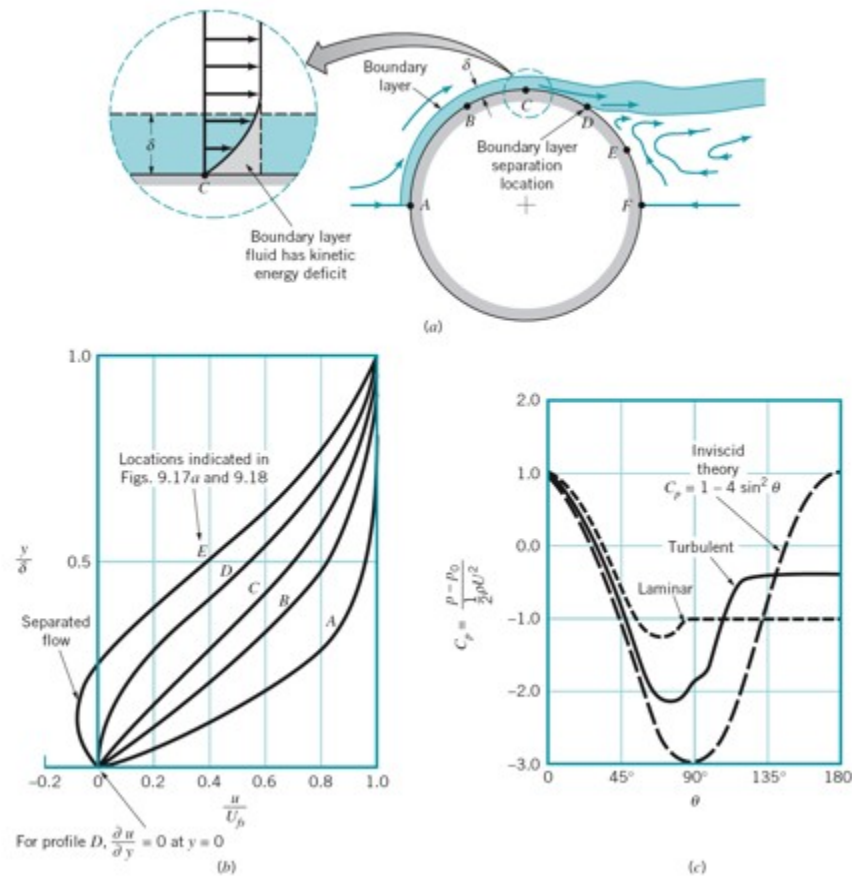
Source: Munson, Young and Okiishi, Figure 9.6

## Inviscid Flow Past a Cylinder Regimes



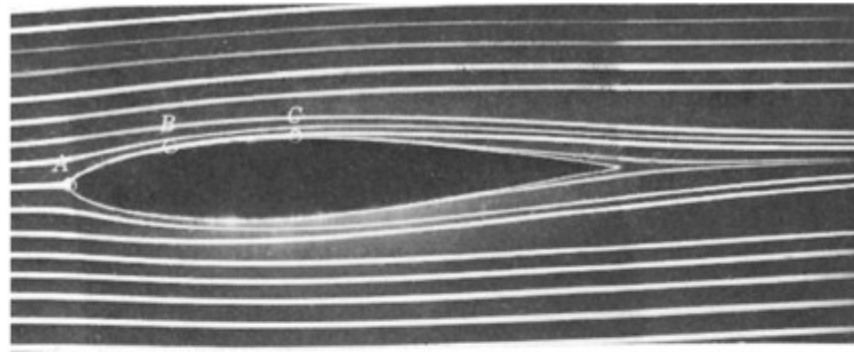
Source: Munson, Young and Okiishi, Figure 9.16

# Viscous Flow Past a Cylinder Regimes

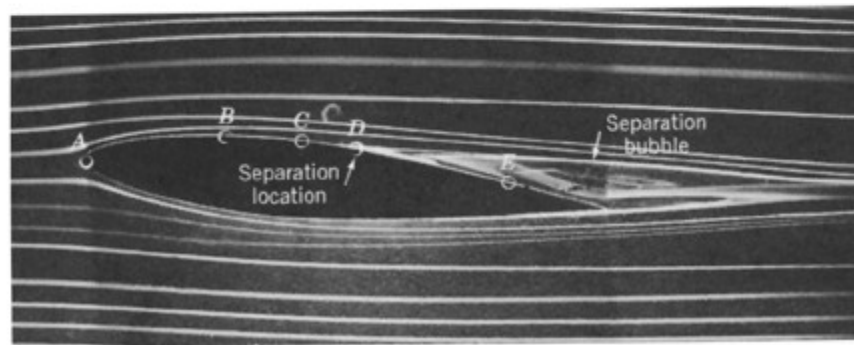


Source: Munson, Young and Okiishi, Figure 9.17

## Separation on an Airfoil



(a)



(b)

Source: Munson, Young and Okiishi, Figure 9.18