

FLOW AROUND CYLINDER CE358 - Fall '95 - S. Kinnear

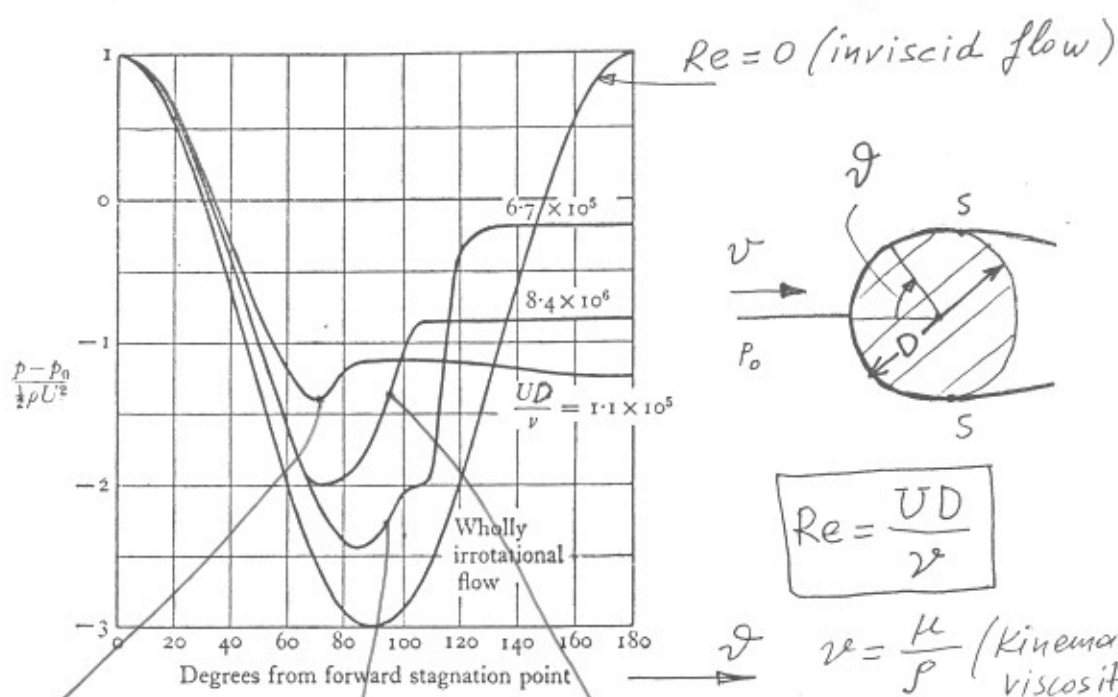
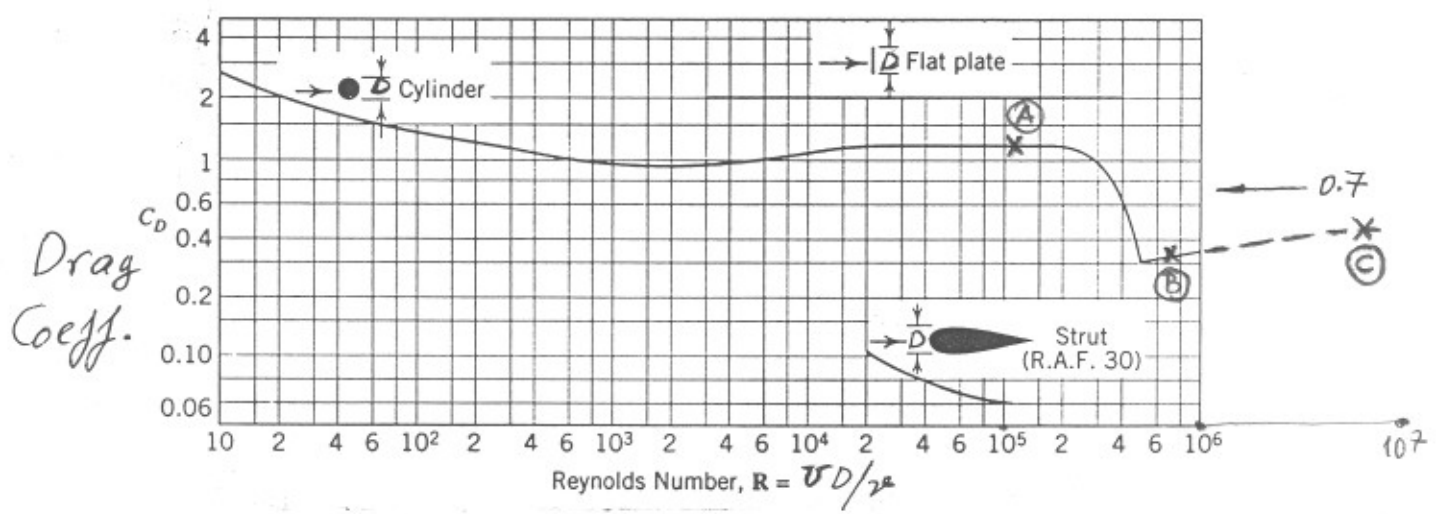
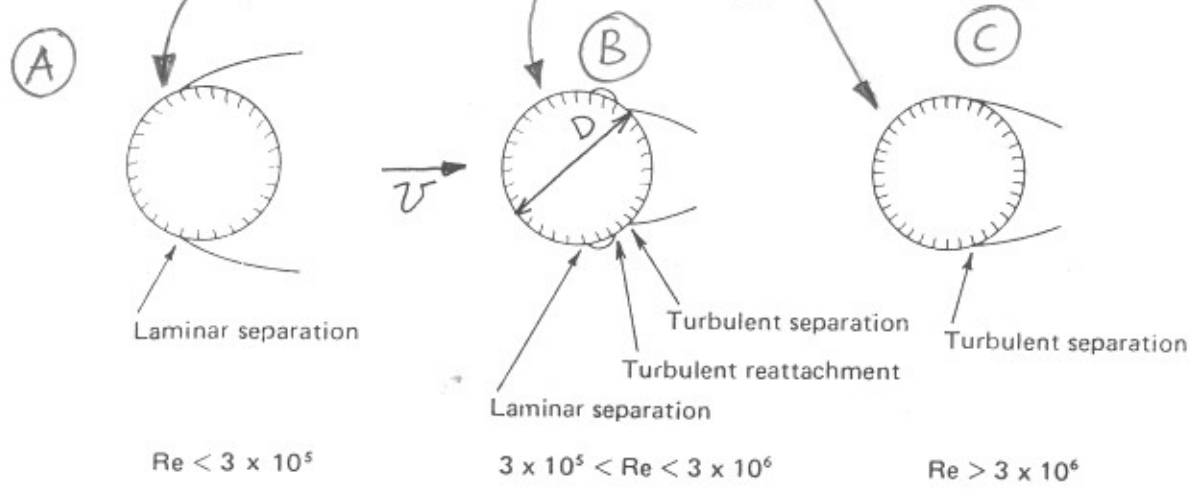


Figure 5.11.5. The measured pressure distribution at the surface of a circular cylinder in a stream of speed U at different Reynolds numbers; p_0 = pressure at infinity.



$$D = \text{Drag force / Unit width} = C_D \cdot \frac{1}{2} \rho \cdot U^2 \cdot D$$