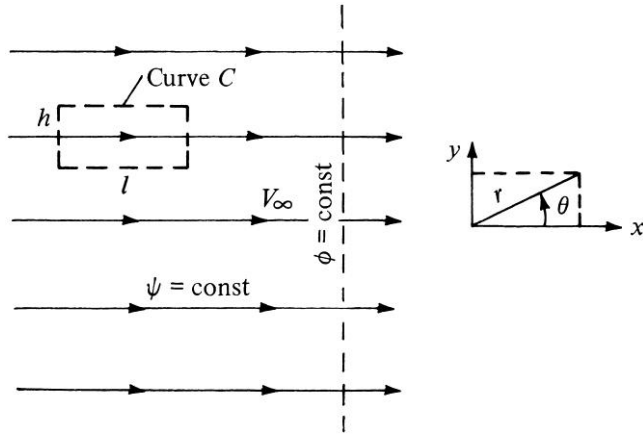


(KEY CONCEPT) [B-3-2]



Uniform flow with magnitude V_∞

Flow direction: from left to right (in the positive x coordinate direction)

$$\psi = V_\infty y = V_\infty r \sin \theta$$

$$\phi = V_\infty x = V_\infty r \cos \theta$$

Potential flow field simulation (source: J.D. Anderson "Fundamentals of Aerodynamics" 2016)

Lined area for notes, consisting of multiple horizontal dashed lines.