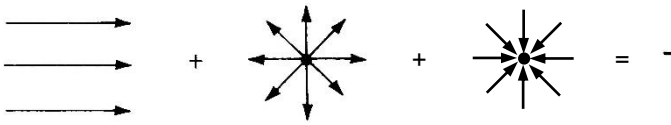
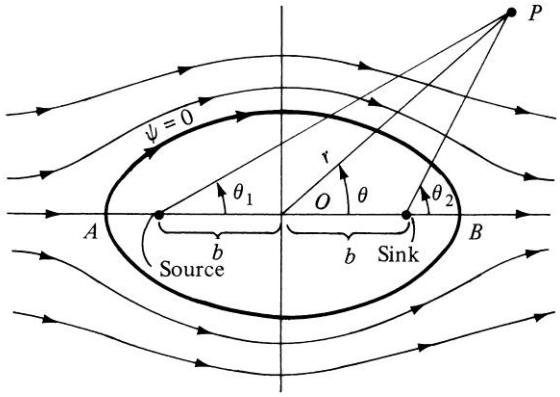
(KEY CONCEPT) [B-3-5]

Uniform flow with magnitude V_∞
+ Source with magnitude Λ (offset with θ_1)
+ Sink with magnitude Λ (offset with θ_2)



$$(\psi = V_\infty r \sin\theta) + \left(\psi = \frac{\Lambda}{2\pi}\theta_1\right) + \left(\psi = -\frac{\Lambda}{2\pi}\theta_2\right)$$



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