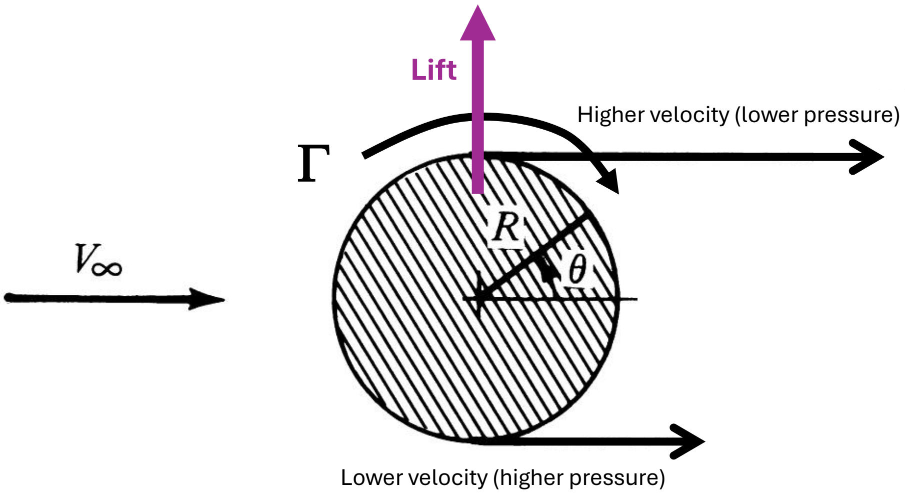
(EXAMPLE) [B-4-1]



Consider the lifting flow over a circular cylinder. Based on the potential flow analysis, derive the relationship between lift coefficient (c_l) and circulation (G).
(**HINT**) **(EQUATION) [B-3-10]** shows step-by-step procedure to calculate lift coefficient by integrating surface pressure coefficient.

$$C_p = -\frac{1}{2}\int_0^{2\pi} C_p \sin\theta \, d\theta$$