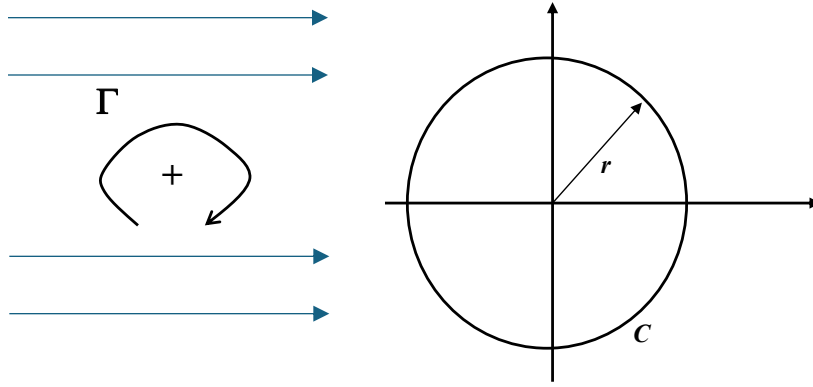


(EXAMPLE) [B-2-1]



Consider the 2-D velocity field:

$$\vec{V} = \frac{y}{(x^2 + y^2)} \hat{i} - \frac{x}{(x^2 + y^2)} \hat{j}$$

If the velocity is given in units of ft/s, calculate the circulation (ft²/s) around a circular path of radius r centered around the coordinate origin.

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