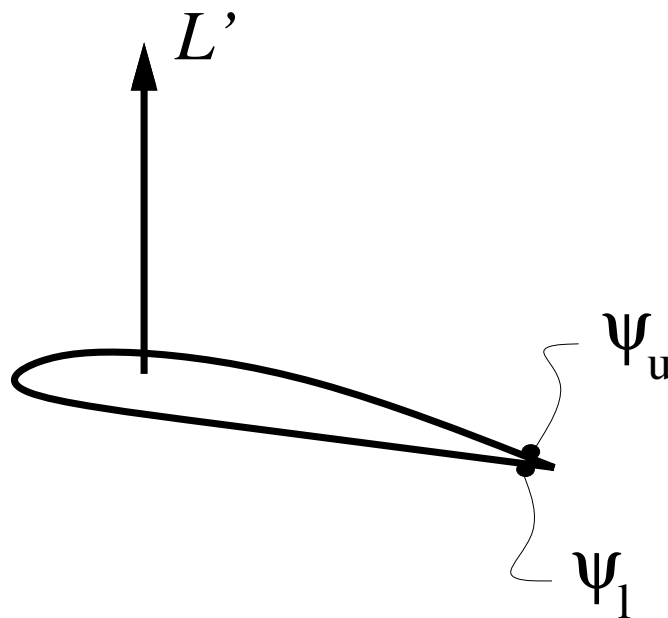


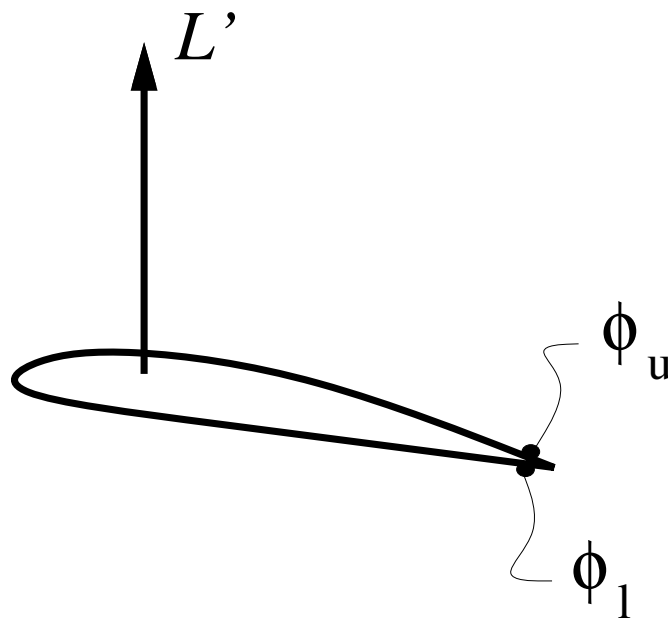
What must be true about the difference $\psi_u - \psi_l$ at the two surface points at the trailing edge of a lifting airfoil?

1. $\psi_u - \psi_l < 0$
2. $\psi_u - \psi_l = 0$
3. $\psi_u - \psi_l > 0$
4. No way to know for sure from given information



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If $D\xi/Dt = 0$ in a steady inviscid flow, what must be strictly true about the $\xi(x, y)$ field?

1. $\xi = 0$ everywhere
2. $\xi = 0$ along any streamline
3. $\xi = \text{const.}$ everywhere
4. $\xi = \text{const.}$ along any streamline

A source of strength Λ is in a uniform flow V_∞ . What is the spacing height h of the dividing streamlines infinitely far downstream?

1. $h = 0$
2. $h = \Lambda/V_\infty$
3. $h = 2\Lambda/V_\infty$
4. $h = \infty$
5. Cannot be determined from given information

