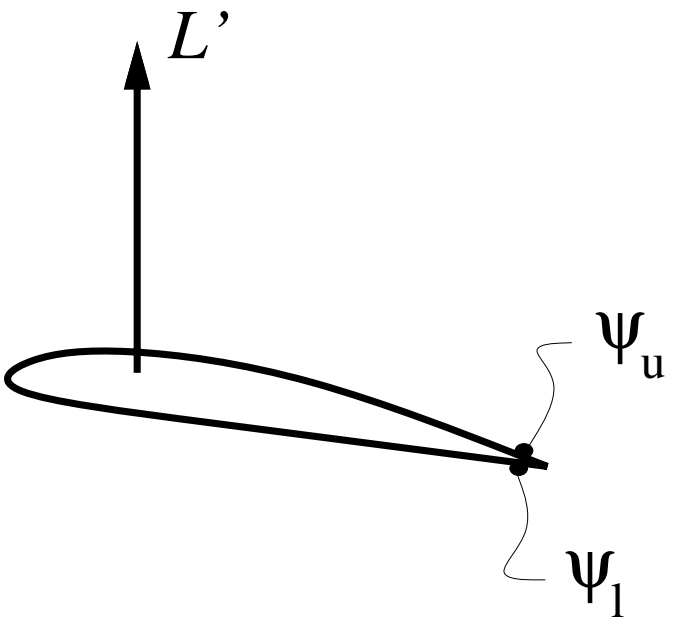
What must be true about the difference $\psi_u - \psi_l$ at the two surface points at the trailing edge of a lifting airfoil?

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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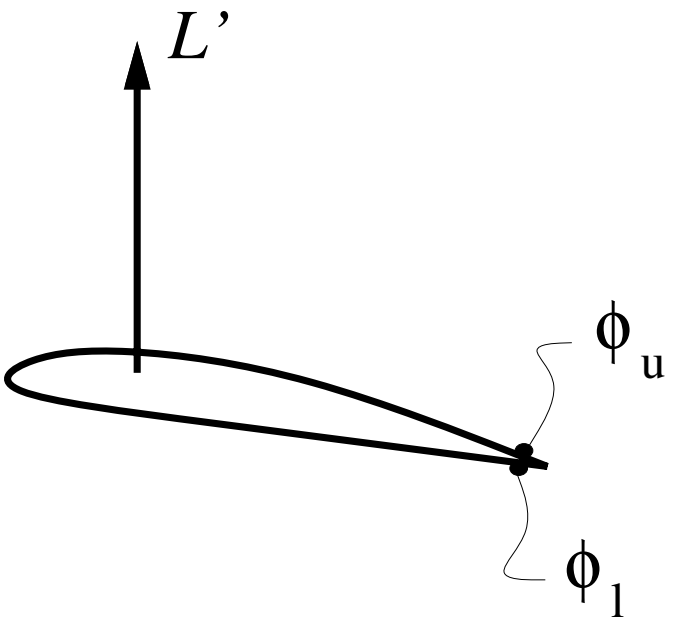

If $\mathrm{D}\xi/\mathrm{Dt} = 0$ in a steady inviscid flow, what must be strictly true about the $\xi(\mathrm{x}, \mathrm{y})$ field?

1. $\xi = 0$ **everywhere**
2. $\xi = 0$ **along any streamline**
3. $\xi =$ **const. everywhere**
4. $\xi =$ **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