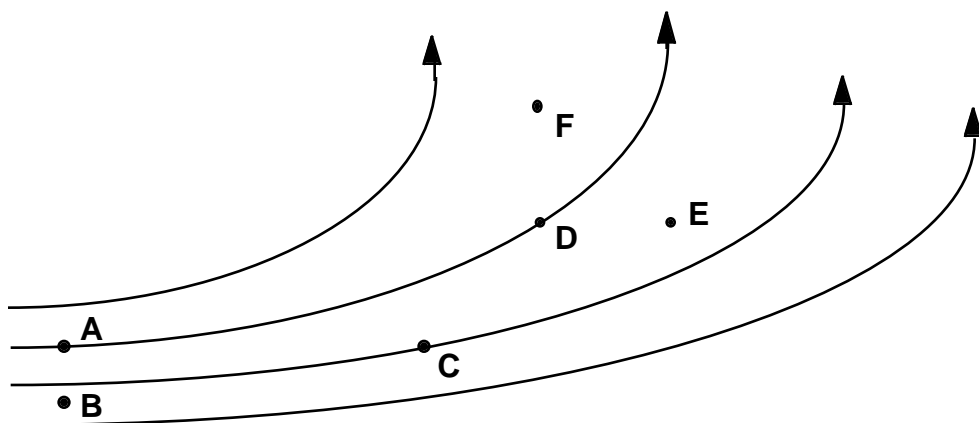


Non-Uniform Electric Field—Electric Field Strength ¹⁴⁸

A non-uniform electric field is being represented below by electric field lines. Six points in this region are identified in this diagram.

Rank the strength (magnitude) of the electric field of the marked points from greatest to least.



Highest 1_____ 2_____ 3_____ 4_____ 5_____ 6_____ Lowest

Or, the magnitude of the electric field is the same at all of these points. _____

Please carefully explain your reasoning.

How sure were you of your ranking? (Circle one)

Basically Guessed

Sure

Very Sure

1 2 3 4 5 6 7 8 9 10

¹⁴⁸ R. Johnson, B. Keramati, C. Lam, S. Savrda