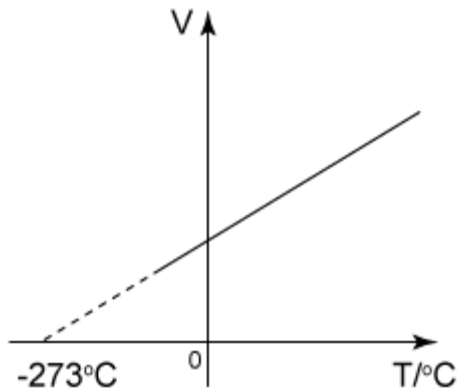


Answer on Question #71102-Physics-Other

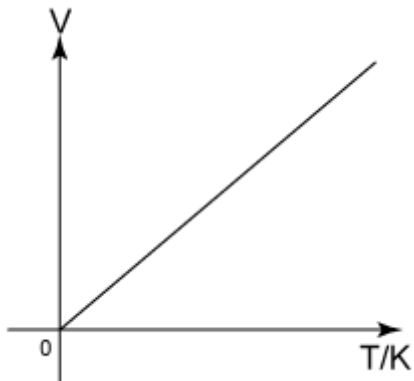
I just did an experiment on Charles's Law using a capillary tube. But the curve of Volume-Temperature graph turned out not passing through the origin. The curve itself looks fine, with a uniform slope. What would possibly be the problem?

Answer

The problem may be in the units of temperature. The curve of Volume-Temperature graph in $^{\circ}\text{C}$ looks like



The curve of Volume-Temperature graph turned out passing through the origin in Kelvin units:



So, maybe you should use Kelvin scale for your graph.

Answer provided by <https://www.AssignmentExpert.com>