

Temperature Dependence of Dielectric Constant of Some Polar And Non polar Liquids.

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Abstract

In this talk, I will discuss about Measurements carried out to study the temperature dependence of dielectric constants of polar (ethyl acetate , nitrobenzene) and non polar liquid (Benzene). The temperature range was varied from room temperature down to their freezing point of the substances. I will also talk on the effect of addition of polystyrene on transition width of nitrobenzene on freezing and variation of loss tangent of n-butyl acetate and polystyrene binary mixture with volume fraction of polystyrene.

Reference:- *Dahal, Rajendra, Master's Dissertation, 2001, T.U, Nepal.*