

Dependence of the dielectric constant of electrolyte solutions on ionic concentration

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<http://arxiv.org/pdf/1208.5169.pdf>

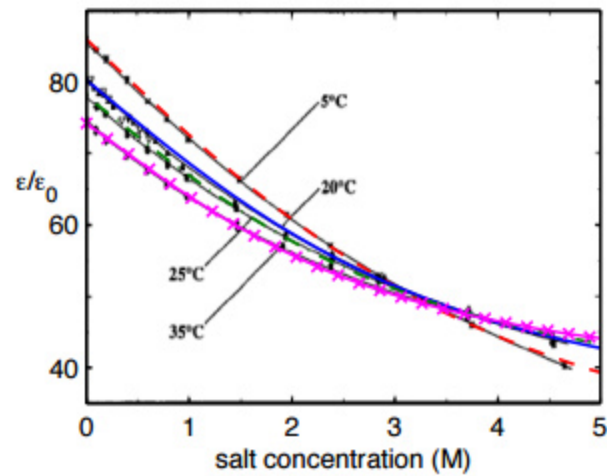


FIG. 3. (color online) Comparison of the predicted dielectric constant (2), with experimental data from [19] as a function of ionic concentration c for NaCl at various temperatures. Data for $T = 5^\circ$ fit with $\alpha = 13.7$ and $\beta = 70.25$ (---), for $T = 20^\circ$ with $\alpha = 12$ and $\beta = 52.94$ (-), for $T = 25^\circ$ with $\alpha = 11.5$ and $\beta = 47.91$ (-) and for $T = 35^\circ$ with $\alpha = 10.7$ and $\beta = 40.12$ (x-).