

## Non-linear dielectric effect in an ethanol+dodecane critical mixture with minor amounts of ions.

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A critical binary mixture with a low concentration of ions (tetramethylammonium chloride) was investigated by the non-linear dielectric method. It was observed that the addition of ions increases the critical anomaly of the non-linear dielectric effect. The increase was only observable at low frequencies of the measuring field. Possible explanations are presented and discussed. In spite of the very low concentration of ions, some evidence of crossover from Ising-like to the mean field behaviour was found.

### Adres publiczny

<https://doi.org/10.1088/0953-8984/18/27/006>

### Strona internetowa wydawcy

<https://iopublishing.org/>