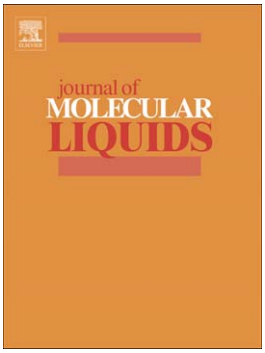

Comments on the published article "The effect of optical purity on the coexistence phenomenon and on the polarization – electric field hysteresis behavior in SmC* and SmC*$_A$ phases" by M. Chemingui et al., Journal of Molecular Liquids, 222 (2016) 1101–1108

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Abstract

This letter concerns error in assumed theoretical model and incorrect interpretation and presentation of experimental data in the article by M. Chemingui et al., "The effect of optical purity on the coexistence phenomenon and on the polarization – electric field hysteresis behavior in SmC* and SmC*$_{\mathrm{A}}$ phases", Journal of Molecular Liquids, 222 (2016) 1101–1108.

Keywords: liquid crystals, dielectric properties, relaxation pro cess;

Dear Editor,

Chemingui et al. published the article entitled "The effect of optical purity on the coexistence phenomenon and on the polarization – electric field hysteresis behavior in SmC* and SmC*$_{\mathrm{A}}$ phases" [1], where they made a few mistakes. To begin with, in the *Experimental setup* section they refer to the general Cole–Cole equation in the following form:

$$\varepsilon^*(\omega) = \varepsilon_\infty + \sum_j^n \frac{\Delta\varepsilon}{1 + (i\omega\tau_j)^{\alpha_j}}, \tag{1}$$

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