

Application of non-linear dielectric effect for estimation of conductivity in strong electric field.

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Rok wydania

2003

Czasopismo

Polish Journal of Chemistry

Numer woluminu

77

Strony

1513-1521

Kolekcja

Naukowa

Język

Angielski

Typ publikacji

Artykuł

Streszczenie

The high-field, constant-current electric conductivity was estimated from the Joule heating effect observed in non-linear dielectric (NDE) experiments. Quality of the obtained data and applicability of NDE method for estimation of σE was discussed for ethanol + tetramethylammonium chloride mixtures.