

Current Topics in Biophysics (Zagadnienia Biofizyki Współczesnej) vol. 33(suppl.A), 2010, 253-256

Ferroic materials studied by EPR

Stefan Waplak, Adam Ostrowski

EPR is very sensitive method in their contribution to static properties of phase transition. However like as may other resonance technique EPR have to be supported by other bulk-like methods. In this short description of EPR application to study of ferroic materials in IFM PAN main emphasis has been done to close connection between local (EPR) and bulk (P_s) parameters. For that it is shown how to get (for example) hysteresis loop and order parameter from EPR data alone. How to detect incommensurability and/or two component order parameters etc.