
Poster Presentation

[LCTp1]Evaluation Technologies

Thu. Nov 28, 2019 10:40 AM - 1:10 PM Main Hall (1F)

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[LCTp1-4]Novel Measurement Method for Difference of Flexo-coefficients (e_{11} - e_{33}) by Using Disclination Lines in HAN Cells with Concentric Rubbing Treatment

*Taiju Takahashi¹, Noriki Shirai¹, Yukihiro Kudoh¹ (1. Kogakuin University (Japan))

Keywords:Flexoelectric, Flexo-coefficients, e_{11} - e_{33} , Concentric rubbing

We propose a novel evaluation method for the difference of flexo-coefficients ' e_{11} - e_{33} '. A HAN cell with in-plane electrodes treated concentric rubbing is used. Positions of disclination lines which occur due to the flexo-polarization under applying the dc electric field are used for evaluating e_{11} - e_{33} with fitting of numerical calculated results.