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Poster Presentation

## [LCTp1]Evaluation Technologies

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

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10:40 AM - 1:10 PM

### [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

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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.