Poster Presentation

[LCTp1]Evaluation Technologies

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

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[LCTp1-5L]A study on gray level dependence of influence due to flexoelectric effect in FFS LCDs

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Keywords:FFS mode, Flexoelectric effect, Gray level dependence, Image-sticking, Flicker shift

Though transmittance dependency of DC offset voltage that relate to image sticking made a quadratic function, its bottom position and flicker minimum DC offset voltage depend on gray level due to flexoelectric effect. We demonstrated influence of flexoelectric effect changes depending on slit electrode width and black matrix width.