Oral Presentation

[DES2]Driving Technology

Chair: Chih-Wen Lu (Nat. Tsing Hua Univ.)
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[DES2-1]Relationship Between Charging Rate and Color Gamma Cross-talk for TFT-LCD with Flip Pixel Driven Architecture

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Color gamma crosstalk (CCT) formula, which compares the luminance of three primary-color images with the luminance of gray-level image, is a way of measuring color expression. In this paper, the negative correlation between charging rate and CCT in the thin film transistor liquid crystal display (TFT-LCD) with flip pixel driven architecture is studied. Based on the analysis and understanding, line overdrive (OD) technology is applied to reduce the value of CCT to the standard range.