

Oral Presentation

[EP2/DES4]Advanced Electronic Paper Displays and Systems

Chair: Norihisa Kobayashi (Chiba Univ.)

Co-Chair: Haruhiko Okumura (Toshiba)

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[EP2/DES4-4]The Driving System of Electrowetting Display Based on Multi-Gray Dynamic Symmetry Driving Waveform

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Keywords:electrowetting display, driving system, driving waveform

In order to play video in real time of electrowetting display, a display driving system which included a DVI video codec system and FPGA timing control system was designed. The paper also proposed an improved multi-gray scales dynamic symmetrical driving waveform, which improved the oil-splitting phenomenon and suppressed the charge-trapping phenomenon while increasing the gray level.