
Poster Presentation

[AMDp2]Active-Matrix Devices

Thu. Nov 28, 2019 2:30 PM - 5:00 PM Main Hall (1F)

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[AMDp2-6]P-type LTPS Gate Driver to Generate Simultaneous and Overlapping Progressive Outputs for High-Resolution AMOLED Displays

*Fu-Hsing Chen¹, Chin-Hsien Tseng¹, Wei-Sheng Liao¹, Chih-Lung Lin¹ (1. National Cheng Kung University (Taiwan))

Keywords:AMOLED, gate driver, low-temperature poly-silicon (LTPS)

A new low-temperature polycrystalline silicon (LTPS) gate driver is developed for active-matrix organic light-emitting diode (AMOLED) pixel circuits using simultaneous-emission (SE) driving scheme. Simulated results indicate that the proposed circuit successfully generates waveforms within the rising time of 0.6 μ s under the RC loadings of 9.96 k Ω and 21.2 pF.