

Poster Presentation

[LCTp2]Alignment Technologies

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

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[LCTp2-5]Polar Anchoring Properties of Photoalignment Polyimide Films

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Keywords: Anchoring energy, Photoalignment, Liquid crystal displays

The polar anchoring properties, such as pretilt angle and anchoring energy, of commercial photoalignment polyimide films were studied in the vertical alignment nematic liquid crystal cells. The influences of the irradiation energy of linear polarized UV light on anchoring properties were investigated. The polar anchoring energy is $\sim 5 \times 10^{-5} \text{ J/m}^2$.