
Poster Presentation

[3DSAp2/3Dp2]3D and Hyper-realistic Displays and Applications 2

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

2:30 PM - 5:00 PM

[3DSAp2/3Dp2-25L]Magnetic Hologram Reconstruction Using Magneto-Optical Light Modulator Array Based on Domain Wall Motion

*Ryo Higashida¹, Nobuhiko Funabashi¹, Ken-ichi Aoshima¹, Kenji Machida¹ (1. NHK (Japan))

Keywords:electro-holography, spatial light modulator, magneto-optical effects, domain wall motion

A magneto-optical light modulator array capable of displaying a magnetic interference pattern by the application of an external magnetic field was fabricated. This array showed that magneto-optical spatial light modulator based on current-induced domain wall motion has sufficient light-modulation characteristics for reconstructing holographic images.