[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

[3DSAp2/3Dp2-28L]Effect of Non-uniformity of Optical Phase Modulation in Liquid Crystal Devices on Holographic Image Quality

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We investigated the effect of non-uniformity of phase distribution in liquid crystal phase modulator on holographic image quality by using simulation. As a result, non-uniform phase distribution in a pixel degrades diffraction efficiency, and non-uniform phase distribution on the entire liquid crystal on silicon panel decreases resolution of holographic images.