
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)

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[3DSAp2/3Dp2-1]The Full Color See-through Head Mounted Display Based on Transmission-type Holographic Optical Elements and Parallel Plane Mirrors

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Keywords: Head mounted display, Full color, Holographic optical element

The full color see-through head mounted display (HMD) which consists of two transmission-type HOEs, two parallel plane mirrors and a single image source is proposed. The red, green and blue incident light will overlap at the output HOE. Then the dispersion of transmission hologram will be compensated.