

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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[3DSAp2/3Dp2-19]Monocular Perceived Depth Improvement Using Motion Parallax in Arc 3D Display and Dependence on Motion Cycle Time

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Keywords:monocular motion parallax, Arc 3D display, depth perception

Saturation degradation of perceived depth of 50 mm by monocular motion parallax in head-tracking system can be successfully improved to large perceived depth of 180 cm by using Arc 3D display without delay time. Head motion cycle affects perceived depth and cycle time of 2 sec is the most stable.