
Poster Presentation

[3Dp1/3DSAp1]3D and Hyper-realistic Displays and Applications 1

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

10:40 AM - 1:10 PM

[3Dp1/3DSAp1-5]Digital Holographic Observation of a Wavefront Generated by a Digitally Designed Holographic Optical Element (DDHOE)

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Keywords:Digitally designed holographic optical element (DDHOE), Phase imaging, Digital holography, Wavefront printer

Using digital holography, we observe a wavefront generated by a digitally designed holographic optical element (DDHOE). Experimental results show the performance of digital holographic observation as an evaluation tool for DDHOEs. Quantitative wavefront sensing has the potential to evaluate a DDHOE fabricated by a wavefront printer in detail.