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

[3DSAp2/3Dp2-20L]Comparison of Hologram Calculation Implementations for Wavefront Recording Plane Method Using Look-up Table Method and Direct Calculation Method

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We evaluated calculation times of computer-generated holograms based on wavefront recording plane method using several implementations in the combination of look-up table method and direct calculation method in order to realize real-time electro-holography system. We confirmed that there are different characteristics between CPU and GPU implementations.