

LightTrans' Talk at EOS Topical Meeting on Diffractive Optics 2019

Physical-Optics Analysis of Lightguides for AR & MR Glasses

Session time: 16 September 2019 | 16:40 – 17:00

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Abstract

Lightguides in combination with gratings seem to be a promising candidate for the development of AR/MR glasses. Though ray tracing can give initial insight into the performance of lightguides, an analysis which includes all relevant effects must be based on a physical-optics approach which is fast and user-friendly. With the Fast Physical Optics technique in our software VirtualLab Fusion we provide such a modeling approach.