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Creating and decomposing vector Bessel beams

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Abstract

This is a paper presented on creating and decomposing vector Bessel beams, presented at the 58th annual SAIP conference. The paper discusses spatially inhomogeneous polarization states that are referred to as cylindrical vector beams which include radial and azimuthal polarization. Also included in the presentation is a demonstration on orbital angular momentum of light and the transformation of Laguerre-Gaussian laser modes.