

Abstract Submitted
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A Clifford Algebra Description of Polarization Optics¹ DAVID YEVICK, GEORGE SOLIMAN, Univ of Waterloo — The polarization changes induced by optical components are represented as Clifford algebra transformations. This yields a unified formalism for polarized and partially polarized light and for the frequency dependence of polarization in the presence of polarization mode dispersion and polarization dependent loss.

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