Abstracts

Polarization Transformation in Twisted Anisotropic Media

R.E. Van Doeren. "Polarization Transformation in Twisted Anisotropic Media." 1966 Transactions on Microwave Theory and Techniques 14.3 (Mar. 1966 [T-MTT]): 106-111.

Polarization transformation of plane waves propagating in twisted anisotropic media is studied theoretically and numerically. It is shown that rotation of linear polarization is effected by such a medium when the anisotropy is of the order of 2 to 1 and twist rates commensurate with the relative value of the dielectric constants of the medium are used (less than 15°/lambda/sub 0/ for low dielectric constants and up to 90°/lambda/sub 0/ for dielectrics in the vicinity of 1000).

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