Abstracts

The Piezoelectric-Magnetoelastic Wave Propagation through the Conducting Plate in a Composite Medium (Short Papers)

T. Bhattacharyya, M. Tsutsumi and N. Kumagai. "The Piezoelectric-Magnetoelastic Wave Propagation through the Conducting Plate in a Composite Medium (Short Papers)." 1976 Transactions on Microwave Theory and Techniques 24.4 (Apr. 1976 [T-MTT]): 226-230.

The piezoelectric and magnetoelastic surface wave propagation through a composite layered structure of one piezoelectric and another magnetoelastic media is considered with a metal plate placed in between them. The dispersion relations have been derived and numerically computed. Thereafter, the field distributions are evaluated. These results may find usefulness for the realization of nonreciprocal acoustic surface wave devices.

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