

Abstracts

Propagation in Transversely Magnetized Compressible Plasma Between Two Parallel Planes

H. Unz. "Propagation in Transversely Magnetized Compressible Plasma Between Two Parallel Planes." 1982 Transactions on Microwave Theory and Techniques 30.6 (Jun. 1982 [T-MTT]): 894-899.

The propagation of waves in compressible single fluid macroscopic plasma between two parallel, perfectly conducting planes, with a transverse static magnetic field parallel to the boundaries is investigated. It is shown that the TE waves are not affected by either the static magnetic field or the compressibility of the plasma, while the TM wave will be affected by both.

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