

# Abstracts

## Theoretical Considerations on Velocity Change of Lamb Waves by Magnetoelastic Effect

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*M. Tsutsumi, T. Morimoto and N. Kumagai. "Theoretical Considerations on Velocity Change of Lamb Waves by Magnetoelastic Effect." 1978 MTT-S International Microwave Symposium Digest 78.1 (1978 [MWSYM]): 450-452.*

The propagation characteristics of the magnetoelastic Lamb waves in a YIG film magnetized tangentially are analyzed using perturbation technique. It is found that a velocity change by magnetic field is of order few percent and the waves attenuates near magnetic resonance frequency.

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