

PROPAGATION OF RAYLEIGH WAVES IN MICRO- ELASTIC MULTI LAYERED MEDIA

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Abstract

The propagation of Rayleigh waves in a three layered media of which topmost layer being liquid and the other being micro-isotropic, micro-elastic media is studied. In the case of micro-isotropic, micro-elastic solid four waves are found of which one wave corresponds to classical theory, other three waves exist in micro-isotropic, micro-elastic solid which do not exist in classical theory.

Key Words : Rayleigh waves - Layered media.