

# Abstracts

## Excitation of Elastic Waves in Crystals

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*K.A. Ingebrigtsen and A. Tonning. "Excitation of Elastic Waves in Crystals." 1969 Transactions on Microwave Theory and Techniques 17.11 (Nov. 1969 [T-MTT] (Special Issue on Microwave Acoustics)): 827-835.*

Excitation of elastic waves in a general anisotropic crystal is discussed. The crystal is supposed to be semi-infinite, bounded by a plane surface. The definition of an elastic impedance matrix for the medium and its use in the subsequent discussion emphasize the similarities with transmission line theory. The resulting expressions for the amplitudes of bulk waves and surface waves is expressed in a matrix formalism believed to have computational advantages.

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