Surface waves in cubic elastic media.

University of East Anglia - Surface Waves in Cubic Elastic Materials

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THE SINGULARITY ON THE PLANE LIDS OF THE WAVE SURFACE OF ELASTIC MEDIA WITH CUBIC SYMMETRY

In either case waves may not be propagated in certain directions parallel to the surface depending on the values of the elastic constants. The Society has played a part in some of the most fundamental, significant, and life-changing discoveries in scientific history and Royal Society scientists continue to make outstanding contributions to science in many research areas.

On the Existence of Type

This corresponds to a leaky acoustic SH-wave.

Surface waves in multilayered elastic media I. Rayleigh and Love waves from buried sources in a multilayered elastic half

In ssgen , u k is the kth Cartesian component of the displacement vector , and.

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Thus, 56 is the desired dispersion equation for a plate with free boundaries. Conductivity of the surface affects the propagation of , with more conductive surfaces such as sea water providing better propagation. It is obvious that computing the determinant with double precision accuracy gives zero, inspite of the applied numerical algorithm.

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