

Surface Acoustic Waves and NDT

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Basic classification of the Rayleigh, Lamb, SH, and Love waves used in the non-destructive measurements is given. The main unresolved problems and some recent results are discussed. Outline of the theory of SH and Love waves propagating in multilayered media is presented. Problems of obtaining numerical results for stratified plates with large number of layers (typically > 20) are considered. Numerical results concerning NDT application to analyzing physical properties of the internal layers are discussed.

Sergey V. Kuznetsov, a short biography.

Was born in Moscow in 29.10.1951

After graduating from Moscow University has been working at

Moscow Institute of Civil Engineering (MICE) (1974 -),

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Mechanics of dispersed composites

Wave dynamics

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