

BASIC PROBLEMS OF THE MOMENT THEORY OF ELASTICITY

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Abstract

A general representation of solutions is obtained for a system of homogeneous differential equations of statics and stationary oscillations of the moment theory of elasticity. Theorems of the uniqueness of the considered boundary value problems are proved. Solutions are obtained in terms of absolutely and uniformly convergent series.

Key words and phrases: Asymmetric theory, moment elasticity, metaharmonic function, Green formula, radiation condition.

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