

On the approximate solutions of the second basic elasticity theory problem

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Abstract

We compare two methods of solution of the second basic problem of elasticity for cones and conoids. The first is FEM (Galerkinmethod) and the second is the spline-interpolation solution which is a 3D generalization of the Kolosov-Muskhelishvili method of solution of 2D problems. © 2010 Pleiades Publishing, Ltd.

<http://dx.doi.org/10.1134/S1995080210040098>

Keywords

Elasticity theory and Boundary value problem and Approximate solution and Spline-interpolation solution