

THE DIRICHLET BVP OF THE THEORY OF THERMOELASTICITY

FOR THE SPHERE WITH VOIDS

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In this paper the 3D quasi-static linear theory of thermoelasticity for materials with voids is considered. The representation of regular solution of the system of equations in the considered theory is obtained. The solution of the Dirichlet type BVP in the quasi-static case is obtained as absolutely and uniformly convergent series.