

# **Abstract**

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## **Variational Theorem of Two-Temperature Generalized Thermoelasticity.**

Recently, Youssef constructed a new theory of generalized thermoelasticity by taking into account the theory of heat conduction in deformable bodies, which depends upon two distinct temperatures, the conductive temperature and the thermo-dynamic temperature. In this paper, the variational theorem is obtained for the two-temperature generalized thermoelasticity model for a homogeneous and isotropic body.