

SENSORY POSSIBILITIES OF COMPOSITE STRUCTURES WITH MAGNETIC STRUCTURAL PROPERTIES

Measurements of the magnetization curves for mechanical deformations of composite layered structures with ferromagnetic and piezoelectric properties and simulation of these curves on the basis of Stoner-Wolfart's model made it possible to explain both the physical processes occurring with magnetic subsystem under deformation and features of the curve shapes for the purpose of adaptation the properties of the mentioned structures for different operating conditions.

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