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García, Godofredo

Equations of finite vibratory motions in isotropic elastic media. Surface force sufficient to maintain equilibrium. (Spanish)

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73.2X

References: 0 **Reference Citations: 0** **Review Citations: 0**

This paper, whose intent is stated in its title, gives wrong solutions to trivial problems. The basic error, however, is not new: if the reviewer has correctly understood the author's undefined notations and misprints, the stress-strain relations used are those once proposed by St.-Venant [J. Math. Pures Appl. (2) **8,** 257–295, 353–430 (1863); see §2], whose incorrect confusion of coordinates in the deformed and undeformed states of the body was pointed out by Brill and Boussinesq [cf. St. Venant, ibid. (2) **16,** 275–307 (1871), see §7]. The falsity of the author's results is obvious, since for the speed of propagation of finite waves in isotropic bodies he obtains expressions which are not scalars unless the displacement gradients are infinitesimal.

Reviewed by *C. Truesdell*