

# On formulas for the Rayleigh wave speed

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**Abstract:** A formula for the speed of Rayleigh waves in isotropic materials is obtained by using the theory of cubic equations. It is expressed as a continuous function of a certain material parameter. The formula obtained by Malischewsky [Wave Motion 31 (2000) 93] is explained on the same basis and its connection with our formula is identified. ?? 2003 Elsevier B.V. All rights reserved.

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