

# The algorithm for investigation a structure of composite materials

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## Abstract

© Published under licence by IOP Publishing Ltd. This paper presents a model of deformation of hyperelastic reinforced composite. The constitutive equations are derived using the free strain energy. The numerical algorithm to solve such problems is compiled. A computational algorithm is based on a finite element method.

<http://dx.doi.org/10.1088/1757-899X/158/1/012035>

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