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Solutions for effective shear properties in three phase sphere and cylinder models. (English)

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MSC:

74A99 Generalities, axiomatics, foundations of continuum mechanics of solids

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Keywords:

effective shear modulus; two types of composite material models; macroscopically isotropic composite medium; three phases; spherical inclusion; spherical annulus of matrix material; outer region of equivalent homogeneous material of unlimited extent; two-dimensional, polar model; transversely isotropic, fiber reinforced medium; transverse effective shear modulus

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