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Determination of effective electromagnetic parameters of concentrated suspensions of ellipsoidal particles using Generalized Differential Effective Medium approximation

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We present an approach to determine the electromagnetic parameters of suspensions. The approach is based on the Generalized Differential Effective Medium (GDEM) method. The use of the GDEM allows one to take into account the presence of critical porosity. The influence of conducting layers on the properties of suspensions was analyzed.

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