

Theoretical Consideration Of The Interaction In The System Of Three Nanoparticles

Interaction in the system 'virus-two nanoparticles' has been studied. The local field distribution in the system was calculated using the Green function method and the concept of the effective susceptibility. Obtained results show that interaction between nanoparticles can be neglected if the distance between them is at least around the nanoparticle size. The approach can be used for description interactions in the system of many nanoparticles, including the antiviral effect of nanoparticles.

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