



Light Scattering From a Cluster Consists of Layered Axisymmetric Objects

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Abstract:

Random-orientation scattering properties of a plane wave scattered by an arbitrary, symmetric cluster consists of coated spherical and coated spheroidal particles are presented. The calculation is based on a method that calculate the cluster T-matrix, and from which the orientation-averaged scattering matrix and total cross sections can be analytically obtained. Numerical results for the random-orientation scattering matrix are presented. The cluster consists of particles ensemble the form of a densely packed cluster and linear chains.

Keywords:

Light Scattering, Cluster, Layered Axisymmetric Objects

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