

Caustics of stochastic flow clusters and a solution to the problem of formation of cluster particles themselves

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Abstract

It has been proved that the equation of particles motion in a gel is subject to the wave equation. This is why we can use the conceptual framework for finding involutes to establish wave fronts in iron oxyhydrate colloid.

The shape of wave fronts has been established, and, therefore, the phase boundary in the colloid of iron oxyhydrate colloid. The shape is the shape of ameba – an uncertain helium halo with sleeves that possibly have self-crossings.