

Review of: "On the rheology of thixotropic and rheopexic suspensions: accounting for the formation of trimers"

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Potential competing interests: No potential competing interests to declare.

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Title: On the rheology of thixotropic and rheopexic suspensions: Accounting for the formation of trimmers

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This study derives semi-empirical equations to describe the relationship between shear stress and shear rate in one-component suspensions, accounting for reactions between solid particles and their dimers and trimers. These equations capture various flow behaviors like pseudoplasticity, dilatancy, thixotropy, and rheopexy. The following provides some remarks:

- * Some Russian sentences are not properly translated into English.
- * For a beautiful display of mathematical formulas, consider typesetting using LaTeX.
- * What the literature refers to as the Riccati equation is a single ordinary differential equation (ODE). Your equation is a couple of nonlinear ODEs, so choosing another name would be more appropriate.
- * Cardano's formula is not the only one to solve the cubic equation, there are a couple of other techniques, such as using trigonometric identities.
- * Put a comma after i.e.
- * The figure quality can be improved.
- * The list of references is not written uniformly, and try to include references outside the Soviet domain.
- * The title can be improved.