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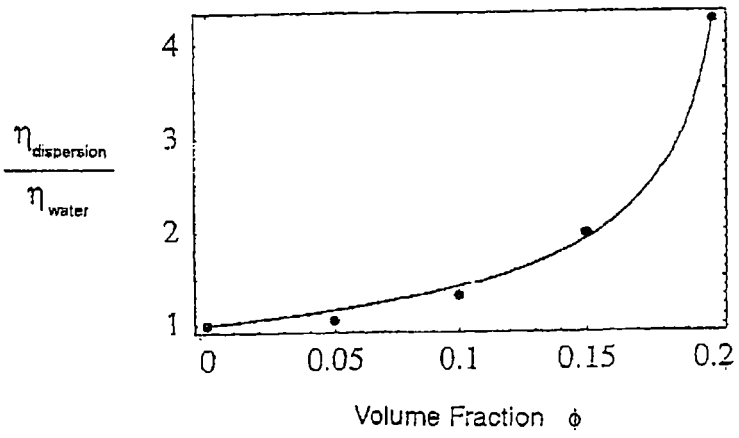
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(54) Title: MICROCANTILEVER RHEOMETER

Shows a relative viscosity vs volume fraction for a nanoparticle silica dispersion. Solid line is fit to Dougherty-Krieger formula.



ACTION

162162

(57) Abstract: A method of determining the viscosity, density and other rheological properties of both liquids and gases is described. The method involves the use of a microcantilever rheometer and measurements of the frequency response and analysis of this data. The method has particular application in medical science, including hematology, immunology, screening and assays but has many other applications in industrial processing and research.

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