



Colloidal Suspension Rheology (Cambridge Series in Chemical Engineering)

By Jan Mewis, Norman J. Wagner

 Download

 Read Online

Colloidal Suspension Rheology (Cambridge Series in Chemical Engineering)

By Jan Mewis, Norman J. Wagner

Colloidal suspensions are encountered in a multitude of natural, biological and industrially relevant products and processes. Understanding what affects the flow behavior, or rheology, of colloid particles, and how these suspensions can be manipulated, is important for successful formulation of products such as paint, polymers, foods and pharmaceuticals. This book is the first devoted to the study of colloidal rheology in all its aspects. With material presented in an introductory manner, and complex mathematical derivations kept to a minimum, the reader will gain a strong grasp of the basic principles of colloid science and rheology. Beginning with purely hydrodynamic effects, the contributions of Brownian motion and interparticle forces are covered, before the reader is guided through specific problem areas, such as thixotropy and shear thickening; special classes of colloid suspensions are also treated. An essential guide for academic and industrial researchers, this book is also ideal for graduate course use.

 [Download Colloidal Suspension Rheology \(Cambridge Series in ...pdf](#)

 [Read Online Colloidal Suspension Rheology \(Cambridge Series ...pdf](#)

Colloidal Suspension Rheology (Cambridge Series in Chemical Engineering)

By Jan Mewis, Norman J. Wagner

Colloidal Suspension Rheology (Cambridge Series in Chemical Engineering) By Jan Mewis, Norman J. Wagner

Colloidal suspensions are encountered in a multitude of natural, biological and industrially relevant products and processes. Understanding what affects the flow behavior, or rheology, of colloid particles, and how these suspensions can be manipulated, is important for successful formulation of products such as paint, polymers, foods and pharmaceuticals. This book is the first devoted to the study of colloidal rheology in all its aspects. With material presented in an introductory manner, and complex mathematical derivations kept to a minimum, the reader will gain a strong grasp of the basic principles of colloid science and rheology. Beginning with purely hydrodynamic effects, the contributions of Brownian motion and interparticle forces are covered, before the reader is guided through specific problem areas, such as thixotropy and shear thickening; special classes of colloid suspensions are also treated. An essential guide for academic and industrial researchers, this book is also ideal for graduate course use.

Colloidal Suspension Rheology (Cambridge Series in Chemical Engineering) By Jan Mewis, Norman J. Wagner Bibliography

- Sales Rank: #801181 in Books
- Published on: 2013-09-30
- Released on: 2013-08-29
- Original language: English
- Number of items: 1
- Dimensions: 9.72" h x .87" w x 6.85" l, 1.60 pounds
- Binding: Paperback
- 413 pages

 [Download Colloidal Suspension Rheology \(Cambridge Series in ...pdf](#)

 [Read Online Colloidal Suspension Rheology \(Cambridge Series ...pdf](#)

Download and Read Free Online Colloidal Suspension Rheology (Cambridge Series in Chemical Engineering) By Jan Mewis, Norman J. Wagner

Editorial Review

Review

"...will help readers to gain a foothold in the basics of colloid science and rheology...The book should be a useful guide for academic and industrial researchers, as well as for graduate-level chemical engineering students." - CEP, April 2012

About the Author

Jan Mewis is Emeritus Professor of the Chemical Engineering Department at the Katholieke Universiteit Leuven. He has lectured all over the world and has written over 200 publications on colloid science and rheology. He received the Gold Medal of the British Society of Rheology and the Bingham Medal of The Society of Rheology (USA).

Norman J. Wagner is a named Professor at the Department of Chemical and Biomolecular Engineering at the University of Delaware. He has received several awards for his research developments, has co-authored over 180 scientific publications and patents, and is on the editorial boards of five international journals.

Users Review

From reader reviews:

Sharon Grace:

What do you concentrate on book? It is just for students since they are still students or the item for all people in the world, exactly what the best subject for that? Just simply you can be answered for that question above. Every person has different personality and hobby for each other. Don't to be pushed someone or something that they don't wish do that. You must know how great as well as important the book Colloidal Suspension Rheology (Cambridge Series in Chemical Engineering). All type of book can you see on many sources. You can look for the internet solutions or other social media.

Antonio Beeler:

The book with title Colloidal Suspension Rheology (Cambridge Series in Chemical Engineering) possesses a lot of information that you can understand it. You can get a lot of gain after read this book. This book exist new expertise the information that exist in this reserve represented the condition of the world at this point. That is important to yo7u to know how the improvement of the world. This book will bring you inside new era of the syndication. You can read the e-book on your own smart phone, so you can read this anywhere you want.

Robert Shaw:

The reason why? Because this Colloidal Suspension Rheology (Cambridge Series in Chemical Engineering) is an unordinary book that the inside of the guide waiting for you to snap this but latter it will zap you with

the secret the item inside. Reading this book adjacent to it was fantastic author who else write the book in such remarkable way makes the content interior easier to understand, entertaining approach but still convey the meaning totally. So , it is good for you for not hesitating having this ever again or you going to regret it. This amazing book will give you a lot of positive aspects than the other book have got such as help improving your ability and your critical thinking way. So , still want to postpone having that book? If I were being you I will go to the publication store hurriedly.

May Davidson:

Are you kind of active person, only have 10 or 15 minute in your day time to upgrading your mind proficiency or thinking skill also analytical thinking? Then you are experiencing problem with the book than can satisfy your short period of time to read it because all this time you only find book that need more time to be examine. Colloidal Suspension Rheology (Cambridge Series in Chemical Engineering) can be your answer as it can be read by you actually who have those short extra time problems.

**Download and Read Online Colloidal Suspension Rheology
(Cambridge Series in Chemical Engineering) By Jan Mewis,
Norman J. Wagner #ZWQ97DHT3UJ**

Read Colloidal Suspension Rheology (Cambridge Series in Chemical Engineering) By Jan Mewis, Norman J. Wagner for online ebook

Colloidal Suspension Rheology (Cambridge Series in Chemical Engineering) By Jan Mewis, Norman J. Wagner Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Colloidal Suspension Rheology (Cambridge Series in Chemical Engineering) By Jan Mewis, Norman J. Wagner books to read online.

Online Colloidal Suspension Rheology (Cambridge Series in Chemical Engineering) By Jan Mewis, Norman J. Wagner ebook PDF download

Colloidal Suspension Rheology (Cambridge Series in Chemical Engineering) By Jan Mewis, Norman J. Wagner Doc

Colloidal Suspension Rheology (Cambridge Series in Chemical Engineering) By Jan Mewis, Norman J. Wagner Mobipocket

Colloidal Suspension Rheology (Cambridge Series in Chemical Engineering) By Jan Mewis, Norman J. Wagner EPub