



# Magnetoviscous Effects in Ferrofluids (Lecture Notes in Physics Monographs)

*Stefan Odenbach*

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## **Magnetoviscous Effects in Ferrofluids (Lecture Notes in Physics Monographs)** Stefan Odenbach

Suspensions of magnetic nanoparticles or ferrofluids can be effectively controlled by magnetic fields, which opens up a fascinating field for basic research into fluid dynamics as well as a host of applications in engineering and medicine. The introductory chapter provides the reader with basic information on the structure, and magnetic and viscous properties of ferrofluids. The bulk of this monograph is based on the author's own research activity and deals with ferrohydrodynamics, especially with the magnetoviscous effects. In particular, the author studies in detail the interparticle interactions so far often neglected but of great importance in concentrated ferrofluids. The basic theory and the most recent experimental findings are presented, making the book interesting reading for physicists or engineers interested in smart materials.

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Magnetoviscous Effects in Ferrofluids (Lecture Notes in Physics Monographs) can be one of your basic books that are good idea. All of us recommend that straight away because this e-book has good vocabulary that may increase your knowledge in vocab, easy to understand, bit entertaining but still delivering the information. The writer giving his/her effort to place every word into pleasure arrangement in writing Magnetoviscous Effects in Ferrofluids (Lecture Notes in Physics Monographs) nevertheless doesn't forget the main level, giving the reader the hottest along with based confirm resource info that maybe you can be among it. This great information can drawn you into completely new stage of crucial imagining.

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The book untitled Magnetoviscous Effects in Ferrofluids (Lecture Notes in Physics Monographs) contain a lot of information on the item. The writer explains her idea with easy way. The language is very easy to understand all the people, so do certainly not worry, you can easy to read that. The book was published by famous author. The author provides you in the new age of literary works. You can read this book because you can read more your smart phone, or model, so you can read the book with anywhere and anytime. In a situation you wish to purchase the e-book, you can start their official web-site and order it. Have a nice go through.

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