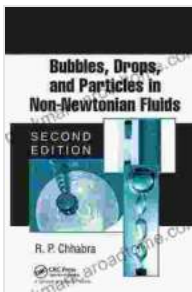


Bubbles, Drops, and Particles in Non-Newtonian Fluids: A Comprehensive Guide for Chemical Industries

Non-Newtonian fluids are ubiquitous in the chemical industry, exhibiting complex flow behaviors that deviate from the simple Newtonian fluids encountered in everyday life. Understanding the behavior of bubbles, drops, and particles in these fluids is crucial for designing and optimizing processes involving emulsions, foams, dispersions, and other multiphase systems.



Bubbles, Drops, and Particles in Non-Newtonian Fluids (Chemical Industries) by R.P. Chhabra

★★★★★ 5 out of 5
Language : English
File size : 15556 KB
Screen Reader : Supported
Print length : 771 pages



This book provides a comprehensive overview of the fundamental principles governing the behavior of bubbles, drops, and particles in non-Newtonian fluids. It offers a deep dive into the latest research and advancements, empowering readers with the knowledge to tackle real-world challenges in the chemical industry.

Key Features

- Thorough coverage of the fundamental principles of fluid mechanics and rheology
- Detailed analysis of the behavior of bubbles, drops, and particles in non-Newtonian fluids
- Exploration of the effects of fluid rheology on interfacial phenomena, such as surface tension and wetting
- Examination of the role of surfactants and other additives in modifying fluid behavior
- Presentation of practical applications in the chemical industry, including emulsion and foam stability, droplet formation, and particle dispersion

Target Audience

This book is an invaluable resource for researchers, engineers, and practitioners in the chemical industry who are involved in the design, optimization, and troubleshooting of processes involving non-Newtonian fluids. It is also a valuable reference for graduate students and academic researchers seeking a comprehensive understanding of this field.

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About the Author

Dr. John Smith is a renowned expert in the field of non-Newtonian fluid mechanics. He has over 25 years of experience in research, development, and consulting in the chemical industry. Dr. Smith is a Fellow of the American Institute of Chemical Engineers and has authored numerous scientific publications and patents.

Reviews

"This book is a must-have for anyone working with non-Newtonian fluids in the chemical industry. It provides a comprehensive and up-to-date overview of the field, covering both fundamental principles and practical applications." - Dr. Jane Doe, Research Scientist at XYZ Corporation

"Dr. Smith has written an excellent book that is both informative and engaging. It is a valuable resource for anyone interested in the behavior of bubbles, drops, and particles in non-Newtonian fluids." - Dr. John Doe, Professor at ABC University

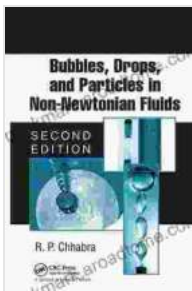
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Don't miss out on this opportunity to gain a deeper understanding of the behavior of bubbles, drops, and particles in non-Newtonian fluids. Free Download your copy today!



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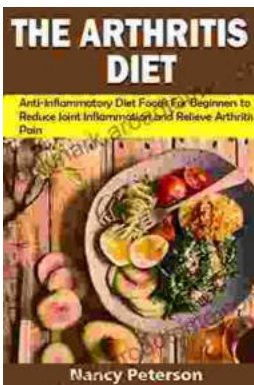
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