



Foams: Structure and Dynamics

By Isabelle Cantat, Sylvie Cohen-Addad, Florence Elias, François Graner, Reinhard Höhler, Olivier Pitois, Florence Rouyer, Arnaud Saint-Jalmes

Download now

Read Online 

Foams: Structure and Dynamics By Isabelle Cantat, Sylvie Cohen-Addad, Florence Elias, François Graner, Reinhard Höhler, Olivier Pitois, Florence Rouyer, Arnaud Saint-Jalmes

Foams are ubiquitous in our daily lives. Their presence is highly desirable in certain foods, drinks and cosmetics, and they are essential in oil recovery and mineral extraction. In some industrial processes (such as the manufacture of glass, paper and wine) foams are an unwelcome by-product.

Why do they appear? What controls the rate at which they disappear? Do they flow in the same way as ordinary liquids? All of these questions and more are addressed here, incorporating significant recent contributions to the field of foams.

This book is the first to provide a thorough description of all aspects of the physico-chemical properties of foams. It sets out what is known about their structure, their stability, and their rheology. Engineers, researchers and students will find descriptions of all the key concepts, illustrated by numerous applications, as well as experiments and exercises for the reader. A solutions manual for lecturers is available via the publisher's web site.

 [Download Foams: Structure and Dynamics ...pdf](#)

 [Read Online Foams: Structure and Dynamics ...pdf](#)

Foams: Structure and Dynamics

By Isabelle Cantat, Sylvie Cohen-Addad, Florence Elias, François Graner, Reinhard Höhler, Olivier Pitois, Florence Rouyer, Arnaud Saint-Jalmes

Foams: Structure and Dynamics By Isabelle Cantat, Sylvie Cohen-Addad, Florence Elias, François Graner, Reinhard Höhler, Olivier Pitois, Florence Rouyer, Arnaud Saint-Jalmes

Foams are ubiquitous in our daily lives. Their presence is highly desirable in certain foods, drinks and cosmetics, and they are essential in oil recovery and mineral extraction. In some industrial processes (such as the manufacture of glass, paper and wine) foams are an unwelcome by-product.

Why do they appear? What controls the rate at which they disappear? Do they flow in the same way as ordinary liquids? All of these questions and more are addressed here, incorporating significant recent contributions to the field of foams.

This book is the first to provide a thorough description of all aspects of the physico-chemical properties of foams. It sets out what is known about their structure, their stability, and their rheology. Engineers, researchers and students will find descriptions of all the key concepts, illustrated by numerous applications, as well as experiments and exercises for the reader. A solutions manual for lecturers is available via the publisher's web site.

Foams: Structure and Dynamics By Isabelle Cantat, Sylvie Cohen-Addad, Florence Elias, François Graner, Reinhard Höhler, Olivier Pitois, Florence Rouyer, Arnaud Saint-Jalmes **Bibliography**

- Rank: #3155557 in eBooks
- Published on: 2013-07-11
- Released on: 2013-07-11
- Format: Kindle eBook

 [Download Foams: Structure and Dynamics ...pdf](#)

 [Read Online Foams: Structure and Dynamics ...pdf](#)

Download and Read Free Online Foams: Structure and Dynamics By Isabelle Cantat, Sylvie Cohen-Addad, Florence Elias, François Graner, Reinhard Höhler, Olivier Pitois, Florence Rouyer, Arnaud Saint-Jalmes

Editorial Review

Review

"A wide survey of the basic physics of foams, composed by a team of distinguished contributors to the field. Well organised and attractively illustrated, it will be an essential guide to our present understanding of the subject. " -- Denis Weaire, School of Physics, Trinity College Dublin

"This is a comprehensive survey of foam science written by some of the leading practitioners in the field. The book is particularly effective at covering dynamic aspects, including foam rheology, a subject that has developed immensely in recent years: the book is therefore an exceedingly valuable reference. " -- Paul Grassia, School of Chemical Engineering and Analytical Science, University of Manchester

About the Author

Isabelle Cantat, *Professor at Universite de Rennes 1, and Research Scientist at the Institut de Physique de Rennes.*, Sylvie Cohen-Addad, *Professor at Universite Paris-Est Marne-la-Vallee, and Research Scientist at the Institut des Nano-Sciences de Paris, Universite Pierre et Marie Curie.*, Florence Elias, *Lecturer at Universite Pierre et Marie Curie - Paris 6, and Research Scientist at the Laboratoire Matiere et Systemes Complexes, Universite Paris 7.*, Francois Graner, *Senior CNRS Research Scientist (Directeur de Recherche) at the Laboratoire Matiere et Systemes Complexes, Universite Paris 7.*, Reinhard Hohler, *Professor at Universite Paris-Est Marne-la-Vallee, and Research Scientist at the Institut des Nano-Sciences de Paris, Universite Pierre et Marie Curie - Paris 6.*, Olivier Pitois, *Senior IFSTTAR Research Scientist (Directeur de Recherche) at the Laboratoire Navier, CNRS, Ecole des Ponts ParisTech, IFSTTAR.*, Florence Rouyer, *Lecturer at Universite de Paris Est - Marne la Valle*

Prof. Isabelle Cantat

Professor at Universite de Rennes 1, and Research Scientist at the Institut de Physique de Rennes, Universite de Rennes 1.

Prof. Sylvie Cohen-Addad

Professor at Universite Paris-Est Marne-la-Vallee, and Research Scientist at the Institut des Nano-Sciences de Paris, Universite Pierre et Marie Curie - Paris 6.

Dr. Florence Elias

Lecturer at Universite Pierre et Marie Curie - Paris 6, and Research Scientist at the Laboratoire Matiere et Systemes Complexes, Universite Paris 7.

Dr. Francois Graner
Senior CNRS Research Scientist (Directeur de Recherche) at the Laboratoire Matiere et Systemes Complexes, Universite Paris 7.

Prof. Reinhard Hohler
Professor at Universite Paris-Est Marne-la-Vallee, and Research Scientist at the Institut des Nano-Sciences de Paris, Universite Pierre et Marie Curie - Paris 6.

Dr. Olivier Pitois
Senior IFSTTAR Research Scientist (Directeur de Recherche) at the Laboratoire Navier, CNRS, Ecole des Ponts ParisTech, IFSTTAR.

Dr. Florence Rouyer
Lecturer at Universite de Paris Est - Marne la Vallee and Research Scientist at the Laboratoire Navier, CNRS, Ecole des Ponts ParisTech, IFSTTAR.

Dr. Arnaud Saint-Jalmes
CNRS Research Scientist at the Institut de Physique de Rennes, Universite de Rennes 1.

Users Review

From reader reviews:

Susan Martinez:

Do you considered one of people who can't read pleasant if the sentence chained within the straightway, hold on guys this particular aren't like that. This Foams: Structure and Dynamics book is readable simply by you who hate the straight word style. You will find the information here are arrange for enjoyable examining experience without leaving possibly decrease the knowledge that want to offer to you. The writer involving Foams: Structure and Dynamics content conveys objective easily to understand by many people. The printed and e-book are not different in the content but it just different such as it. So , do you nonetheless thinking Foams: Structure and Dynamics is not loveable to be your top collection reading book?

Brian Faber:

Reading a reserve tends to be new life style with this era globalization. With looking at you can get a lot of information that may give you benefit in your life. Together with book everyone in this world could share their idea. Publications can also inspire a lot of people. Lots of author can inspire all their reader with their story as well as their experience. Not only the storyplot that share in the ebooks. But also they write about the knowledge about something that you need case in point. How to get the good score toefl, or how to teach your children, there are many kinds of book that you can get now. The authors on earth always try to improve their talent in writing, they also doing some investigation before they write on their book. One of them is this Foams: Structure and Dynamics.

Arthur Bailey:

This Foams: Structure and Dynamics is great e-book for you because the content which can be full of information for you who else always deal with world and also have to make decision every minute. That book reveal it information accurately using great manage word or we can claim no rambling sentences inside. So if you are read that hurriedly you can have whole data in it. Doesn't mean it only will give you straight forward sentences but difficult core information with attractive delivering sentences. Having Foams: Structure and Dynamics in your hand like keeping the world in your arm, info in it is not ridiculous a single. We can say that no book that offer you world with ten or fifteen minute right but this e-book already do that. So , this really is good reading book. Hey Mr. and Mrs. stressful do you still doubt that?

Frederica Dawkins:

Do you like reading a e-book? Confuse to looking for your best book? Or your book was rare? Why so many concern for the book? But almost any people feel that they enjoy to get reading. Some people likes looking at, not only science book and also novel and Foams: Structure and Dynamics or maybe others sources were given understanding for you. After you know how the great a book, you feel would like to read more and more. Science book was created for teacher as well as students especially. Those books are helping them to add their knowledge. In various other case, beside science guide, any other book likes Foams: Structure and Dynamics to make your spare time more colorful. Many types of book like this one.

**Download and Read Online Foams: Structure and Dynamics By
Isabelle Cantat, Sylvie Cohen-Addad, Florence Elias, François
Graner, Reinhard Höhler, Olivier Pitois, Florence Rouyer, Arnaud
Saint-Jalmes #00J31GMZP8D**

Read Foams: Structure and Dynamics By Isabelle Cantat, Sylvie Cohen-Addad, Florence Elias, François Graner, Reinhard Höhler, Olivier Pitois, Florence Rouyer, Arnaud Saint-Jalmes for online ebook

Foams: Structure and Dynamics By Isabelle Cantat, Sylvie Cohen-Addad, Florence Elias, François Graner, Reinhard Höhler, Olivier Pitois, Florence Rouyer, Arnaud Saint-Jalmes 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 Foams: Structure and Dynamics By Isabelle Cantat, Sylvie Cohen-Addad, Florence Elias, François Graner, Reinhard Höhler, Olivier Pitois, Florence Rouyer, Arnaud Saint-Jalmes books to read online.

Online Foams: Structure and Dynamics By Isabelle Cantat, Sylvie Cohen-Addad, Florence Elias, François Graner, Reinhard Höhler, Olivier Pitois, Florence Rouyer, Arnaud Saint-Jalmes ebook PDF download

Foams: Structure and Dynamics By Isabelle Cantat, Sylvie Cohen-Addad, Florence Elias, François Graner, Reinhard Höhler, Olivier Pitois, Florence Rouyer, Arnaud Saint-Jalmes Doc

Foams: Structure and Dynamics By Isabelle Cantat, Sylvie Cohen-Addad, Florence Elias, François Graner, Reinhard Höhler, Olivier Pitois, Florence Rouyer, Arnaud Saint-Jalmes Mobipocket

Foams: Structure and Dynamics By Isabelle Cantat, Sylvie Cohen-Addad, Florence Elias, François Graner, Reinhard Höhler, Olivier Pitois, Florence Rouyer, Arnaud Saint-Jalmes EPub

00J31GMZP8D: Foams: Structure and Dynamics By Isabelle Cantat, Sylvie Cohen-Addad, Florence Elias, François Graner, Reinhard Höhler, Olivier Pitois, Florence Rouyer, Arnaud Saint-Jalmes