Mathematical Models in the Manufacturing of Glass [C.I. M.E. Summer School, Montecatini Terme, Italy 2008 /

Farina, Angiolo

Springer Berlin Heidelberg :
Imprint: Springer,
2011

Engineering | Differential equations, partial | Hydraulic engineering | Engineering | Engineering Fluid Dynamics | Engineering Thermodynamics, Heat and Mass Transfer | Partial Differential Equations

Monografía

This volume presents a review of advanced technological problems in the glass industry and of the mathematics involved. It is amazing that such a seemingly small research area is extremely rich and calls for an impressively large variety of mathematical methods, including numerical simulations of considerable complexity. The problems treated here are very typical of the field of glass manufacturing and cover a large spectrum of complementary subjects: injection molding by various techniques, radiative heat transfer in glass, nonisothermal flows and fibre spinning. The book can certainly be useful not only to applied mathematicians, but also to physicists and engineers, who can find in it an overview of the most advanced models and methods

Título: Mathematical Models in the Manufacturing of Glass Recurso electrónico] :] C.I.M.E. Summer School, Montecatini Terme, Italy 2008 by Angiolo Farina, Axel Klar, Robert M.M. Mattheij, Andro Mikelic, Norbert Siedow ; edited by Antonio Fasano

Editorial: Berlin, Heidelberg Springer Berlin Heidelberg Imprint: Springer 2011

Descripción física: XI, 227 p. digital

Mención de serie: Lecture Notes in Mathematics 0075-8434 2010

Documento fuente: Springer eBooks

Contenido: Mathematical modelling of glass forming processes -- Radiative heat transfer and applications for glass production processes -- I. Radiative heat transfer and applications for glass production processes -- II. Nonisothermal flows and fibres drawing

Restricciones de acceso: Acceso restringido a miembros del Consorcio de Bibliotecas Universitarias de Andalucía

Detalles del sistema: Modo de acceso: World Wide Web

Fuente de adquisición directa: Springer

ISBN: 9783642159671 978-3-642-15967-1 9783642159664 ed. impresa)

Autores: Klar, Axel Mattheij, Robert M.M. Mikelic, Andro Siedow, Norbert Fasano, Antonio

Entidades: SpringerLink (Online service)
