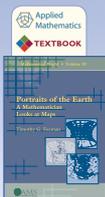


Mathematics



The following publications examine the different roles that mathematics can play in addressing questions related to Planet Earth.



PORTRAITS OF THE EARTH A MATHEMATICIAN LOOKS AT MAPS

Timothy G. Feeman, *Villanova University, PA*

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Maps are exciting, visual tools that we encounter on a daily basis. This book explores the mathematical ideas involved in creating and analyzing maps, and is the first modern book to present the famous problem of mapping the earth in a style that is highly readable and mathematically accessible to most students. Through the visual context of maps and mapmaking, students will see how contemporary mathematics can help them to understand and explain the world.

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Mathematical World, Volume 18; 2002; 123 pages; Softcover; ISBN: 978-0-8218-3255-4; List US\$29; AMS members US\$23.20; Order code MAWRD/18



INTRODUCTION TO PDES AND WAVES FOR THE ATMOSPHERE AND OCEAN

Andrew Majda, *Courant Institute of Mathematical Sciences, New York University, NY*

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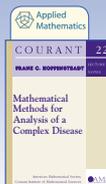
—Mathematical Reviews

Written by a leading specialist in the area of atmosphere/ocean science (AOS), this book aims to introduce mathematicians to this fascinating and important topic and, conversely, to develop a mathematical viewpoint on basic topics in AOS of interest to the disciplinary AOS community, ranging from graduate students to researchers.

Titles in this series are co-published with the Courant Institute of Mathematical Sciences at New York University.

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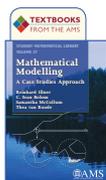
MATHEMATICAL METHODS IN IMMUNOLOGY

Jerome K. Percus, *Courant Institute of Mathematical Sciences and Department of Physics, New York University, NY*

The complexity of the mammalian adaptive immune system calls for its encapsulation by mathematical models, and this book aims at the associated description and analysis. In the process, it introduces tools that should be in the armory of any current or aspiring applied mathematician, in the context of, arguably, the most effective system nature has devised to protect an organism from its manifold invisible enemies.

Titles in this series are co-published with the Courant Institute of Mathematical Sciences at New York University.

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Student Mathematical Library, Volume 27; 2005; 196 pages; Softcover; ISBN: 978-0-8218-3650-7; List US\$39; AMS members US\$31.20; Order code STML/27



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The Complex Systems Modelling Group (CSMG), *The IRMACS Center, Simon Fraser University, Burnaby, BC, Canada*

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