



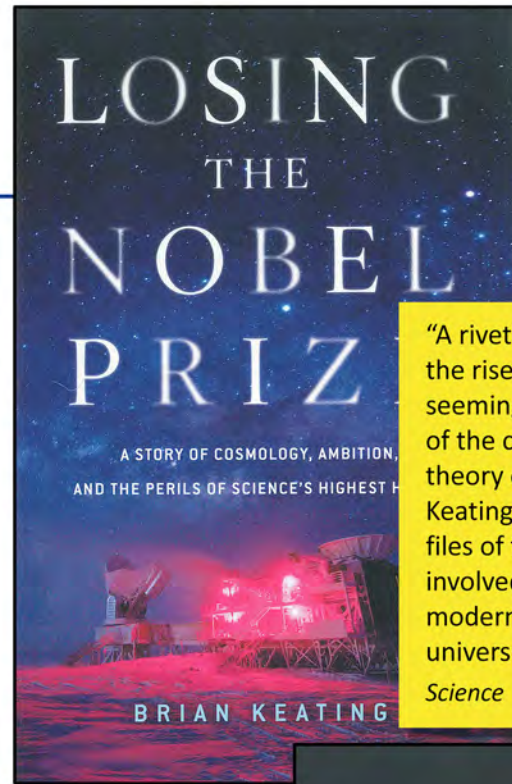
# new in the library

April 2019 - Physics

Steven M. Girvin and Kun Yang

## Modern Condensed Matter Physics

"Comprehensive and in-depth textbook that discusses cutting-edge topics such as disordered systems, mesoscopic systems, quantum magnetism, Bose-Einstein condensates, quantum entanglement, and superconducting quantum bits."



"A riveting account of the rise and fall of the seeming confirmation of the cosmological theory of inflation... Keating offers vivid profiles of the personalities involved in shaping our modern view of the universe."

*Science*

OXFORD



## ELECTROMAGNETIC RADIATION

RICHARD FREEMAN  
JAMES KING  
GREGORY LAFYATIS

"Graduate level book on classical electrodynamics with a strong emphasis on radiation, with a major focus on light and its interactions."

"An essential and accessible introduction to the physics of quantum many-body systems, which are at the heart of atomic and nuclear physics, condensed matter, and particle physics."

Quantum Many-Body Physics in a Nutshell



Edward Shuryak



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# new in the library

April 2019 - Mathematics

## A First Course in Differential Geometry

Surfaces in Euclidean Space

"Differential geometry is the language used by Einstein to express general relativity, and so an essential tool for astronomers and theoretical physicists."

L. M. Woodward  
J. Bolton

## Zeros of Polynomials and Solvable Nonlinear Evolution Equations

Francesco Calogero

"Reporting a novel breakthrough in the investigation of ODEs and PDEs, this text includes practical examples throughout to illustrate the theoretical concepts."



*Nell'arte e nella scienza*

"Nella creazione delle proprie opere alcuni artisti si sono deliberatamente rifatti a rigorosi principi di simmetria, nelle arti figurative (Escher), nella musica (Bach e i dodecafonici) e in letteratura."



*Principi e forme naturali*

"La simmetria ricorre in molti aspetti del mondo in cui viviamo. Semplificando al massimo le argomentazioni tecniche, vengono qui esposti i principi teorici di questo affascinante fenomeno."




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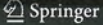
Springer Biographies



**Marcel Grossmann**

For the Love of Mathematics

“Marcel Grossmann’s granddaughter paints here a picture of a fiery and many-talented scientist and patriot.”

CLAUDIA GRAF-GROSSMANN  Springer

Joseph Seckbach • Richard Gordon *editors*

**THEOLOGY and SCIENCE**

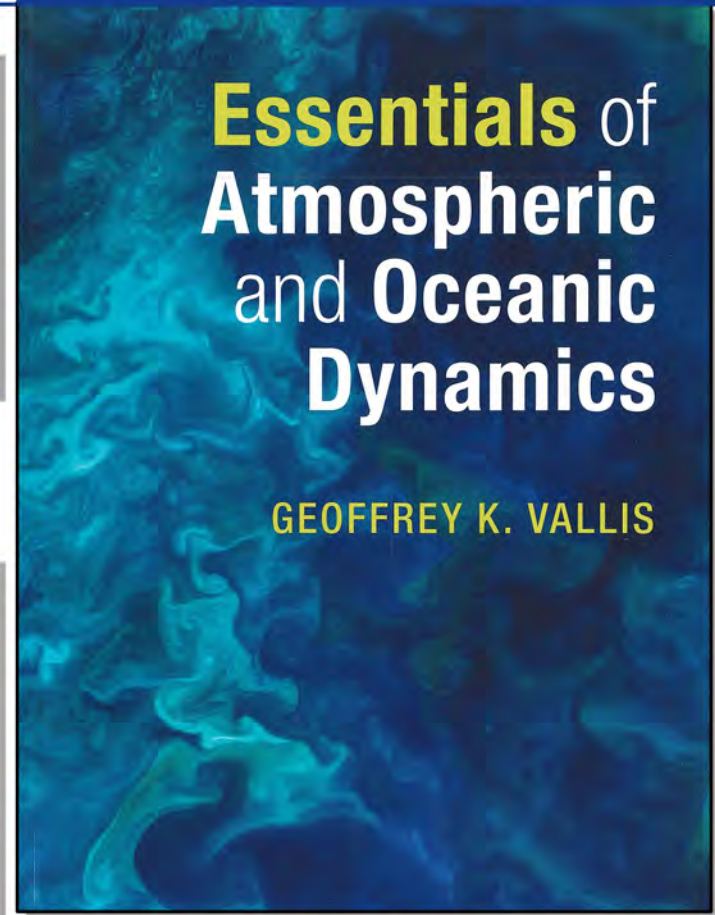
From Genesis to Astrobiology

World Scientific

“At turns disconcerting, revelatory, and profound, readers are invited to leave their preconceived notions at the door and join these writers in this curious journey of discovery.”

**new in the library**

April 2019 - Other Fields



**Essentials of Atmospheric and Oceanic Dynamics**

GEOFFREY K. VALLIS

Tiago Capela Lourenço • Ana Rovisco  
Annemarie Groot • Carin Nilsson  
Hans-Martin Füssel • Leendert van Bree  
Roger B. Street *Editors*

**Adapting to an Uncertain Climate**

Lessons From Practice

“Targeted specifically at policy developers, climate knowledge brokers, researchers and interested adaptation decision-makers, this book differs from other titles addressing climate change adaptation and uncertainty by using real life cases.”

Springer

**Computational Statistics in the Earth Sciences**

With Applications in MATLAB

ALAN D. CHAVE

“A combination of the theoretical underpinnings of statistics with the practical analysis of Earth sciences data using MATLAB, this book is ideal for those who want to learn how to analyse data using MATLAB in a statistically-rigorous manner.”

“A comprehensive unified treatment of atmospheric and oceanic fluid dynamics, fundamental to our understanding of the atmosphere and oceans”

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