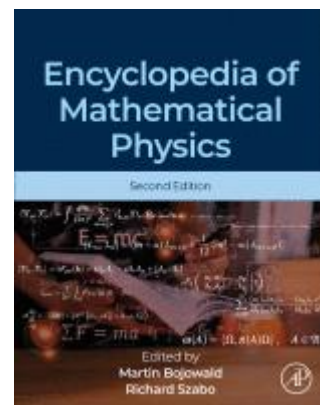


Encyclopedia of Mathematical Physics 2nd Edition

數學物理百科全書 第二版

Back for a new edition, this outstanding reference work once again provides an ideal foundational overview of the complex field of mathematical physics, enabling students and researchers to learn in a trustworthy and up-to-date manner.

《數學物理百科全書》第二版 為對數學物理有興趣的研究人員、學生和講師提供了完整的資源。本書提供了一個核心資訊庫，使讀者能夠訪問自己領域外圍主題的基本信息，這些信息庫甚至可以用來刷新經驗豐富的研究人員的記憶，並幫助教師指導學生找到與其課程作業相關的條目。本書中的資訊量令人印象深刻（約 270 章），經過提煉，分為 10 個不同的部分，並作為完整的參考工具呈現給使用者。有針對性的、高品質的背景資訊。



Key features/ benefits

- Delivers 270 high quality, expertly written chapters covering the fundamentals of what is a complex subject area.
- Content expertly curated and edited by an international and diverse editorial board of physicists with huge experience.
- New edition will use a thematic approach to content, as opposed to the previous edition's A-Z structure.
- Chapters follow a clear template including pedagogic elements which will assist users understand terminologies and methods.
- 包含約 270 章，依主題分為 10 個不同的部分
- 幫助研究人員找到這兩個高度專業且往往分散的學科之間常見問題的解決方案
- 涵蓋核心知識領域的基礎主題以及更前沿的主題和方法
- 完全可搜尋和相互連結的格式使讀者能夠廣泛了解主題和方法

What problem does this MRW solve?

Mathematical physics is a highly complex area of physics. Students and researchers currently have to navigate a minefield of journals, monographs and online resources in order to get basic fundamental concepts behind the discipline. This MRW brings together all the relevant foundational content into one accessible, outstandingly written product, saving students the bother of having to consult multiple resources to get the information they need.

Meet the Editor-in-Chief

- Richard Szabo, Professor of Mathematical Physics, Department of Mathematics, Heriot-Watt University, Edinburgh, UK
- Martin Bojowald, Department of Physics, Eberly College of Science, Pennsylvania State University, USA

Important Areas of Coverage:

- Classical and Quantum Gravity
- Quantum Mechanics
- Algebra
- Topology
- Quantum Field Theory



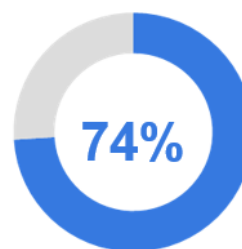
290
Chapters



>900
Authors/
contributors

New or substantially revised areas in this edition include:

- Quantization
- Topology
- Integrable Systems
- Condensed Matter & Statistical Physics



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