

## 欧洲数学学会(EMS) 电子期刊及电子书使用说明

### 一、 出版社介绍(Introduction of the Publisher)

**欧洲数学学会** (The European Mathematical Society) 在 1990 年创立, 总部设在瑞士, 旨在促进纯粹与应用数学之研究, 对数学教育之课题提供协助与建议, 关切数学与社会之广泛关系, 促进各国数学家互动, 建立欧洲数学家的认同感, 在超国家机构间代表数学社群。EMS 到目前为止个人会员达到 3000 多人, 由来自欧洲 60 多个国家的应用和计算数学家、计算机科学家、工程师、统计学家和数学教育者组成。EMS 在欧洲有着非常重要的学术地位, 同时也是德国《数学文摘》的主要编委。

The European Mathematical Society (EMS) was founded in 1990, which is headquartered in Switzerland. It aims to promote the study of pure and applied mathematics, to provide assistance and advices on the subject of mathematics education, to pay much more attention to the extensive relation between mathematics and society, to promote communication and interaction among mathematicians from different countries, to help European mathematicians build a sense of identity and establish mathematics community among supranational organizations. Up to now, EMS has more than 3,000 individual members, consisting of applied and calculated mathematicians, computer scientists, engineers, statisticians and mathematics educators from more than 60 European countries. EMS has an important academic position in Europe and is also the main editor of the German 《Mathematical Digest》.

### 期刊介绍(Introduction of the Journal)

EMS 出版的研究期刊涵盖了整个数学领域, 既有基础理论研究, 也有应用研究, 内容丰富而全面, 在高等研究领域非常著名, 2013 年已出版的 15 种学术型期刊中, 80% 被 SCI 收录为核心期刊。根据期刊引用报告 (JCR) 统计, 其中 Journal of the European Mathematical Society (JEMS)、Journal of Noncommutative Geometry (JNCG) 的影响因子分别高达 1.736 和 1.296。

The research journals published by EMS covered the entire field of mathematics, including both basic theoretical research and applied research. It is well-known in the field of advanced research for its rich and comprehensive contents. Among the 15 academic journals published in 2013, 80% of them are included by SCI as the core journals. According to the statistics of Journal Citation Report (JCR), Impact Factors of 《Journal of the European Mathematical Society (JEMS)》 and 《Journal of Noncommutative Geometry (JNCG)》 are respectively as high as 1.736 and 1.296.

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The unfolding of new ideas in physics is often tied to the development of combinatorial methods, and conversely some problems in combinatorics are successfully attacked using methods inspired by statistical physics and quantum field theory.

The journal is dedicated to publishing high-quality original research, as well as survey articles in which combinatorics and physics interact in both directions. Combinatorial papers should be motivated by potential applications to physical phenomena or models, while physics papers should contain some interesting combinatorial development.

Both rigorous mathematical proof and heuristic physical reasoning have a place in this journal, but each must be clearly labeled. Definitions and proofs should be presented with the precision and rigor that are expected in a mathematics journal. Conjectures based on heuristic physical arguments and/or numerical evidence are warmly encouraged, but they should be clearly labeled as such and should be stated as precisely as possible.

Authors should remember that readers of the journal will come from a wide variety of backgrounds, both mathematical (not only combinatorics but also algebra, topology, geometry, analysis, probability, etc) and physical (quantum field theory, statistical mechanics, quantum gravity etc). Therefore, authors should write with such a diverse audience in mind and should take care to provide, in the introductory

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Sergio Caracciolo and Andrea Sportiello  
pp. 1–46  
[Abstract](#) | [Full-Text PDF \(359 KB\)](#)

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Martin Klazar, Martin Loebl and Iain Moffatt  
pp. 47–60  
[Abstract](#) | [Full-Text PDF \(154 KB\)](#)

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Geoffrey R. Grimmett, Alexander E. Holroyd and Yuval Peres  
pp. 61–75  
[Abstract](#) | [Full-Text PDF \(311 KB\)](#)

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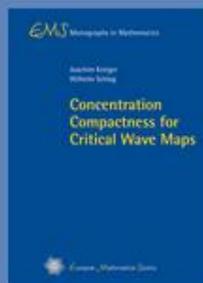
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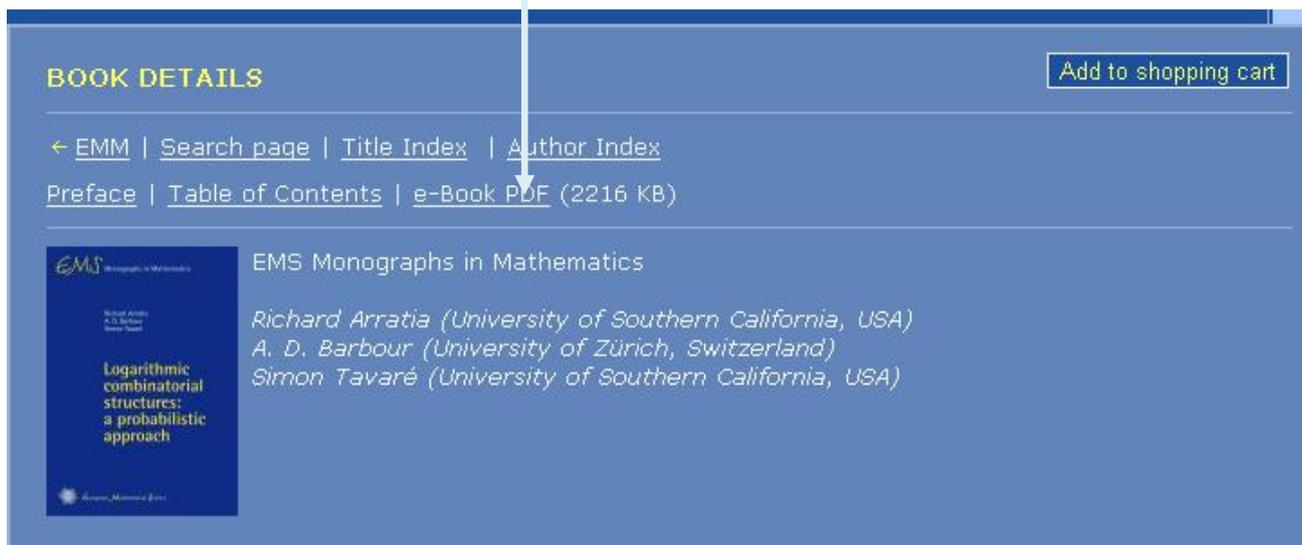
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