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# Riemannian Geometry During the Second Half of the Twentieth Century

Marcel Berger, Institut des Hautes Études Scientifiques, Bures-Sur-Yvette. France

This is quite an amazing book ... The coverage ... is quite astonishing, both in breadth and in depth ... Another outstanding feature of the book is its extensive cross-referencing ... this feature ... made the book particularly valuable to my students ... they could quickly find out more about a topic which was completely new to them.

-Bulletin of the LMS

CHOICE

2001

Reprint arranged with the approval of the publisher B. G. Teubner (Stuttgart and Leipzig, Germany).

University Lecture Series, Volume 17; 2000; ISBN 0-8218-2052-4; 182 pages; Softcover; All AMS members \$27, List \$34, Order Code ULECT/17CT202

The History of Mathematics from Antiquity to the Present: A Selective Annotated Bibliography, edited by Joseph W. Dauben

Revised Edition on CD-ROM edited by Albert C. Lewis, in cooperation with the International Commission on the History of Mathematics

**Albert C. Lewis**, *Indiana University-Purdue University, Indianapolis*, Editor

An impressive resource, it has 4,800 annotated bibliographic citations, twice the number of references included in the 1985 print version ... a great addition to the disc is a listing of Internet sites that pertain to the history of mathematics, complete with URL links. This fantastic program is a valuable resource for mathematicians, mathematics historians, teachers and students of mathematics, and any layperson interested in mathematics.

2000; CD-ROM; ISBN 0-8218-0844-3; **All AMS members \$39**, List \$49, Order Code HMAPCT202

#### **Fourier Analysis**

Javier Duoandikoetxea, Universidad del País Vasco/Euskal Herriko Unibertsitatea, Bilbao, Spain

This is a great book and is highly recommended as an introductory textbook to Fourier analysis. The students will have a lot to benefit from in the simple and quick presentation of the book.

-Mathematical Reviews

Graduate Studies in Mathematics, Volume 29; 2001; ISBN 0-8218-2172-5; 222 pages; Hardcover; All AMS members \$28, List \$35, Order Code GSM/29CT202

### The Fermat Diary

C. J. Mozzochi, Princeton, NJ

This book will undoubtedly be extremely useful to future historians of mathematics. It is very enjoyable to read as well ... it is possible to read and enjoy the book just for the stories about the people involved and to get a taste of the excitement in the number theory community at the time ...

This book can make us feel closer to the way in which Wiles' work was received and is being assimilated by the mathematical world. I recommended it as an addition to both personal and institutional libraries.

—MAA Online

2000; ISBN 0-8218-2670-0; 196 pages; Hardcover; **All AMS** members \$23, List \$29, Order Code FERMATDCT202

## Function Theory in Several Complex Variables

Toshio Nishino, Kyushu University, Fukuoka, Japan

This book has its own point of view, and it is one that is not well represented in the more modern books. So it is a welcome addition to the literature ... I conclude by noting that the translation is a particularly mellifluous one. The book is a pleasure to read.

-Mathematical Reviews

Translations of Mathematical Monographs, Volume 193; 2001; ISBN 0-8218-0816-8; 366 pages; Hardcover; Individual member \$77, List \$129, Institutional member \$103, Order Code MMONO/193CT202

# The Mathematics of Soap Films: Explorations with Maple®

John Oprea, Cleveland State University, OH

[The author] provides no more and no less than is necessary to completely derive the mathematical theory of minimal surfaces. Other strengths of the book include the breadth of topics ... the amount of detail included in worked examples and the general readability. Finally the computer component is an added advantage ... some nicely-developed explorations ...

I am very enthusiastic about this book! It would make an excellent text for an undergraduate course in minimal surface theory. ... Enough detail is included so that this book would also be suitable for an independent study. The next time I teach undergraduate differential geometry, my plan is to first teach a lead-in course using Oprea's book. This provides students with easy access to soap film mathematics.

-MAA Online

Student Mathematical Library, Volume 10; 2000; ISBN 0-8218-2118-0; 266 pages; Softcover; All AMS members \$23, List \$29, Order Code STML/10CT202



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