Zeitschrift: L'Enseignement Mathématique
Herausgeber: Commission Internationale de l'Enseignement Mathématique
Band: 23 (1977)

Endseiten

Nutzungsbedingungen
Die ETH-Bibliothek ist die Anbieterin der digitalisierten Zeitschriften auf E-Periodica. Sie besitzt keine Urheberrechte an den Zeitschriften und ist nicht verantwortlich für deren Inhalte. Die Rechte liegen in der Regel bei den Herausgebern beziehungsweise den externen Rechteinhabern. Das Veröffentlichen von Bildern in Print- und Online-Publikationen sowie auf Social Media-Kanälen oder Webseiten ist nur mit vorheriger Genehmigung der Rechteinhaber erlaubt. Mehr erfahren

Conditions d'utilisation
L'ETH Library est le fournisseur des revues numérisées. Elle ne détient aucun droit d'auteur sur les revues et n'est pas responsable de leur contenu. En règle générale, les droits sont détenus par les éditeurs ou les détenteurs de droits externes. La reproduction d'images dans des publications imprimées ou en ligne ainsi que sur des canaux de médias sociaux ou des sites web n'est autorisée qu'avec l'accord préalable des détenteurs des droits. En savoir plus

Terms of use
The ETH Library is the provider of the digitised journals. It does not own any copyrights to the journals and is not responsible for their content. The rights usually lie with the publishers or the external rights holders. Publishing images in print and online publications, as well as on social media channels or websites, is only permitted with the prior consent of the rights holders. Find out more

Download PDF: 18.04.2026

ETH-Bibliothek Zürich, E-Periodica, https://www.e-periodica.ch

New Books from Springer

Geometry and Topology

Graduate Texts in Mathematics
Managing Editor: P.R. Halmos
Editors: F.W. Gehring, C.C. Moore

Volume 44
K. Kendig
Elementary Algebraic Geometry
44 figures. VIII, 309 pages. 1977
Cloth DM 42,70; US $ 18.80
ISBN 3-540-90199-X

This book provides a stimulating, geometrically motivated introduction to Algebraic Geometry suitable for first or second year graduate students. Some of the topics treated are: varieties of arbitrary dimension, valuation rings and the Riemann-Roch theorem. Examples, diagrams, and exercises abound.

Volume 47
E.E. Moise
Geometric Topology in Dimensions 2 and 3
92 figures. X, 262 pages. 1977
Cloth DM 45,–; US $ 19.80
ISBN 3-540-90220-1

This text is an introduction to one of the most exciting and active areas of modern geometry. Central topics are generalizations of the Schoenflies theorem, triangulation and the "Hauptvermutung" (Steinitz). Emphasis is on recent methods, and the presentation is in terms of "piece-wise linear".

Volume 48
R.K. Sachs, H.-H. Wu
General Relativity for Mathematicians
56 figures. XII, 291 pages. 1977
Cloth DM 45,–; US $ 19.80
ISBN 3-540-90218-X

Contents: Preliminaries.– Spacetimes.– Observers.– Electromagnetism and Matter.– The Einstein Field Equation.– Photons.– Cosmology.– Further Applications.– Optional Exercises: Relativity.– Optional Exercises: Newtonian Analogues.

Volume 49
K.W. Gruenberg, A.J. Weir
Linear Geometry
2nd edition. 10 figures. X, 198 pages. 1977
Cloth DM 29,10; US $ 12.80
ISBN 3-540-90227-9

This is a first basic course in linear algebra that also contains a rigorous discussion of the underlying geometric ideas of projective, affine and Euclidian spaces.

Volume 52
R. Hartshorne
Algebraic Geometry
25 figures. Approx. 500 pages. 1977
Cloth approx. DM 38,20; approx. US $ 16.80
ISBN 3-540-90244-9

This book is a modern introduction to algebraic geometry, using the techniques of schemes and cohomology, with applications to the classical theory of algebraic curves and surfaces. Many of the topics appear here for the first time in a textbook; hundreds of exercises supplement the text and guide the reader to an active understanding of the theory.

Grundlehren der mathematischen Wissenschaften
A Series of Comprehensive Studies in Mathematics
Geschäftsführende Herausgeber: B. Eckmann, J.K. Moser

Band 213
I.R. Shafarevich
Basic Algebraic Geometry
Translated from the Russian by K.A. Hirsch
Revised printing. 19 figures. XV, 439 pages. 1977
Cloth DM 98,–; US $ 43.20
ISBN 3-540-06691-8
Also available as a **Springer Study Edition:**
DM 45,–; US $ 19.80
ISBN 3-540-08264-6

"A coherent, self-contained, well-motivated introduction to modern algebraic geometry...No previous knowledge of algebraic geometry is assumed. Can serve as a text for beginners and as a reference for experts...Hundreds of exercises...A beautiful work."
American Mathematical Monthly

Band 226
M. Karoubi
K-Theory. An Introduction
26 figures. Approx. 330 pages. 1977
Cloth DM 78,–; US $ 34.40
ISBN 3-540-08090-2

The purpose of this book is to provide advanced students and specialists of other fields with some basic material on the subject of K-theory. The volume includes a treatment of Bott periodicity, computations of some K-groups and applications of K-theory on the Hopf invariant, the vector field problem on the sphere, characteristic classes, integrality theorems and stable homotopy.

Y.-C. Lu
Singularity Theory and an Introduction to Catastrophe Theory
Universitext
83 figures. XII, 199 pages. 1976
DM 29,30; US $ 12.90
ISBN 3-540-90221-X

Contents: Introduction to Singularity Theory with Historical Remarks.– On Singularities of Mappings from the Plane into the Plane.– Unfoldings of Mappings.– Catastrophe Theory.– Thom-Whitney Stratification Theory.– C^0-Sufficiency of Jets.– Appendices.– Further Reading.– Index.

I.M. Singer, J.A. Thorpe
Lecture Notes on Elementary Topology and Geometry
Reprint. 108 figures. VIII, 232 pages. 1976
Cloth DM 33,60; US $ 14.80
(Undergraduate Texts in Mathematics)
ISBN 3-540-90202-3

Contents: Some Point Set Topology.– More Point Set Topology.– Fundamental Group and Covering Spaces.– Simplicial Complexes.– Manifolds.– Homology Theory and the De Rham Theory.– Intrinsic Riemannian Geometry of Surfaces.– Imbedded Manifolds in $\mathbf{R}^3$

Prices are subject to change without notice

Springer-Verlag
Berlin Heidelberg New York

5253/5/1