Zeitschrift: L'Enseignement Mathématique
Herausgeber: Commission Internationale de l'Enseignement Mathématique
Band: 44 (1998)
Heft: 1-2: L'ENSEIGNEMENT MATHÉMATIQUE

Kapitel: Ensembles convexes et inégalités géométriques

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: 12.03.2026

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

are still linear algebra, finite field theory, and projective geometry; despite the applicability, the reformulation of many results in terms of coding theory has been eschewed. But links with coding theory are described.

Silvio LEVY, (Editor). — **Flavors of geometry.** — Mathematical Sciences Research Institute publications, vol. 31. — Un vol. broché, 16×23,5, de IX, 194 p. — ISBN 0-521-62962-4. — Prix: £13.95 (relié: £37.50). — Cambridge University Press, Cambridge, 1997.

This book is a volume of lectures on four geometrically influenced fields of mathematics that have experienced great development in recent years. It presents chapters on hyperbolic geometry, dynamics in several complex variables, convex geometry, and volume estimation, by masters in their respective fields. Each lecture begins with a discussion of elementary concepts, examines the highlights of the field, and concludes with a look at more advanced material. The style and presentation of the chapters are clear and accessible, and most of the lectures are illustrated.

George E. MARTIN. — **Geometric constructions.** — Undergraduate texts in mathematics. — Un vol. relié, 16,5×24,5, de XI, 203 p. — ISBN 0-387-98276-0. — Prix: DM 69.00. — Springer, New York, 1998.

The first chapter of this book is informal and starts from scratch, introducing all the geometric constructions from high school that have been forgotten or were never seen. The second chapter formalizes Plato's game and examines problems from antiquity such as the impossible way of trisecting an arbitrary angle. After that, variations on Plato's theme are explored: using only a ruler, using only a compass, using toothpicks, using a ruler and dividers, using a marked rule, using a tomahawk, and ending with a chapter on geometric constructions by paperfolding.

Ensembles convexes et inégalités géométriques

W.A. COPPEL. — **Foundations of convex geometry.** — Australian Mathematical Society lecture series, vol. 12. — Un vol. broché, 15×23, de XIV, 222 p. — ISBN 0-521-63970-0. — Prix: £24.95. — Cambridge University Press, Cambridge, 1998.

This book on the foundations of Euclidean geometry aims to present the subject from the point of view of present day mathematics, taking advantage of all the developments since the appearance of Hilbert's classic work. Here real affine space is characterized by a small number of axioms involving points and line segments, making the treatment self-contained and thorough, many results being established under weaker hypotheses than usual.

Géométrie différentielle

Sorin DRAGOMIR, Liviu ORNEA. — **Locally conformal Kähler geometry.** — Progress in mathematics, vol. 155. — Un vol. relié. 16×25, de XI, 327 p. — ISBN 0-8176-4020-7. — Prix: SFr. 148.00. — Birkhäuser, Boston, 1998.

This monograph covers topics in complex geometry, an area of mathematical growth in recent years. The latest topics are addressed systematically, bringing us to the cutting edge in the mathematics of locally conformal Kähler (l.c.K.) manifold theory. This book is a differential geometric study of l.c.K. manifolds (i.e., manifolds carrying some l.c.K. metric) and their submanifolds. While the latest results on Vaisman's conjectures, spectral geometry of generalized Hopf manifolds, harmonic and holomorphic forms of l.c.K. manifolds, and pseudoharmonic maps of Hermitian surfaces are reviewed throughout mathematics literature, here they are presented in a systematic manner, and many specific examples are discussed from this wider perspective.