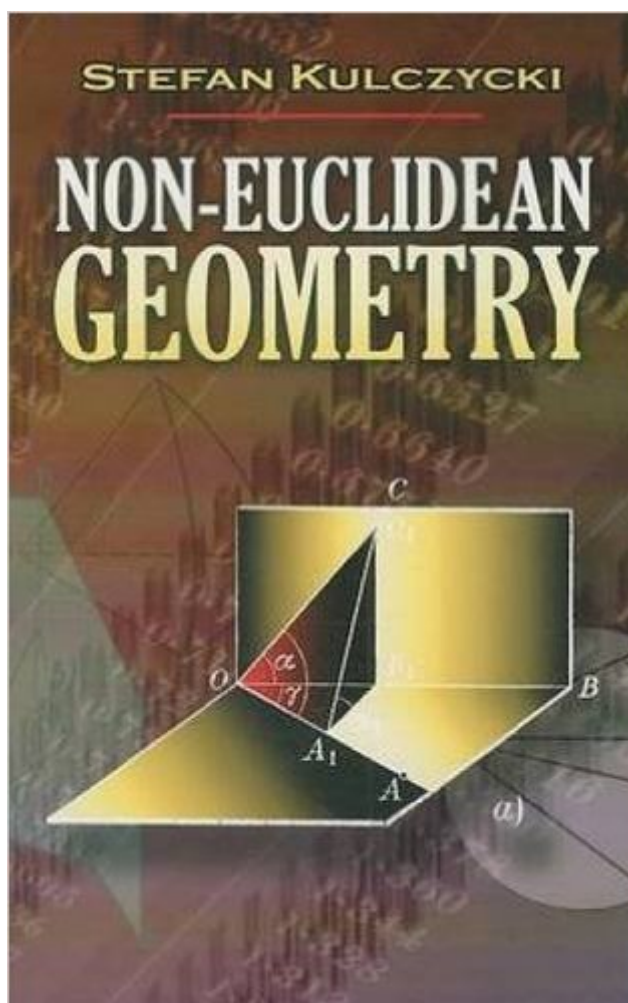


The book was found

Non-Euclidean Geometry (Dover Books On Mathematics)



Synopsis

This accessible approach features two varieties of proofs: stereometric and planimetric, as well as elementary proofs that employ only the simplest properties of the plane. A short history of geometry precedes a systematic exposition of the principles of non-Euclidean geometry. Starting with fundamental assumptions, the author examines the theorems of Hjelmslev, mapping a plane into a circle, the angle of parallelism and area of a polygon, regular polygons, straight lines and planes in space, and the horosphere. Further development of the theory covers hyperbolic functions, the geometry of sufficiently small domains, spherical and analytical geometry, the Klein model, and other topics. Appendixes include a table of values of hyperbolic functions.

Book Information

Series: Dover Books on Mathematics

Paperback: 208 pages

Publisher: Dover Publications (February 29, 2008)

Language: English

ISBN-10: 0486462641

ISBN-13: 978-0486462646

Product Dimensions: 5.5 x 0.4 x 8.5 inches

Shipping Weight: 7.8 ounces (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 stars Â Â See all reviews Â (1 customer review)

Best Sellers Rank: #460,185 in Books (See Top 100 in Books) #21 in Â Books > Science & Math > Mathematics > Geometry & Topology > Non-Euclidean Geometries #264 in Â Books > Textbooks > Science & Mathematics > Mathematics > Geometry #115735 in Â Books > Reference

Customer Reviews

Likely one of the best of the introduction books. Notice the warning word Introduction we got in College indicating you are about to be hit by a telephone pole. Wide subject and nice.

[Download to continue reading...](#)

Taxicab Geometry: An Adventure in Non-Euclidean Geometry (Dover Books on Mathematics)
Geometry by Construction: Object Creation and Problem-solving in Euclidean and Non-Euclidean Geometries Euclidean And Non-Euclidean Geometry::Development and History, 4th edition.[Hardcover,2007] Non-Euclidean Geometry (Dover Books on Mathematics) Euclidean and Non-Euclidean Geometries: Development and History Euclidean and Non-Euclidean Geometries

Euclidean and Non Euclidean Geometries Development and History 4th (Fourth) Edition
by Greenberg The Foundations of Geometry and the Non-Euclidean Plane (Undergraduate Texts in
Mathematics) Advanced Euclidean Geometry (Dover Books on Mathematics) Geometry Illuminated:
An Illustrated Introduction to Euclidean and Hyperbolic Plane Geometry (Maa Textbooks)
Non-Euclidean Geometry for Babies (Math for Babies) The Fourth Dimension and Non-Euclidean
Geometry in Modern Art (Leonardo Book Series) Modern Geometries: Non-Euclidean, Projective,
and Discrete Geometry (2nd Edition) Non-Euclidean Geometry (Mathematical Association of
America Textbooks) The elements of non-Euclidean geometry Non Fiction Writing Templates: 44
Tips to Create Your Own Non Fiction Book (Writing Templates, Writing Non Fiction, Kindle
Publishing) Lebesgue Integration On Euclidean Space, Revised Edition (Jones and Bartlett Books
in Mathematics) Non-Euclidean Adventures on the L² Sphere Differential Geometry (Dover
Books on Mathematics) Solid Analytic Geometry (Dover Books on Mathematics)

[Dmca](#)