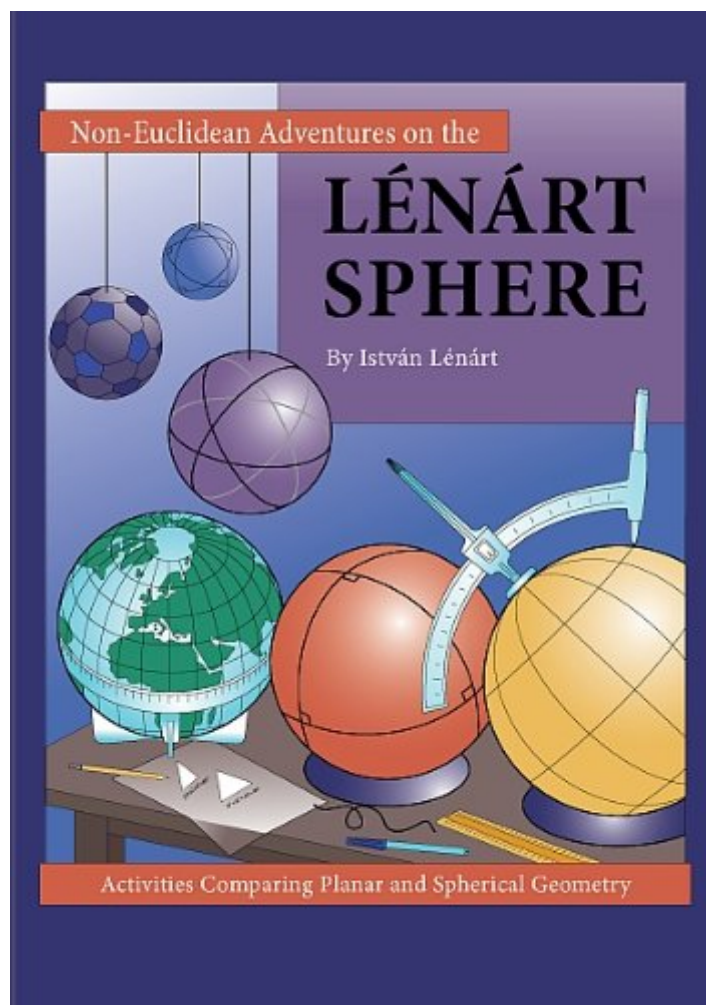


The book was found

Non-Euclidean Adventures On The LÉNÁRT Sphere



Synopsis

The high school geometry curriculum is primarily based on Euclidean concepts and constructions. Often, non-Euclidean ideas appear in high school geometry books as topological curiosities or historical asides, relegated to footnotes or visual activity boxes. Students are asked to consider these ideas only briefly if at all. Rarely is non-Euclidean geometry handled with the same depth or rigor that is used to study plane geometry. Even rarer are instances of non-Euclidean exploration with manipulatives. This book is a collection of comparative geometry activities – or adventures – for students. Most of the adventures deal with the basic concepts of spherical geometry, such as points, lines, circles, distance, angle, and area. These concepts are compared and contrasted with the corresponding ideas of elementary plane geometry. The adventures are presented in two forms to accommodate two different learning styles. First each adventure is succinctly described on an Adventure Card as an unguided investigation in which students determine their own paths of exploration. Then the same adventure is repeated in the more structured Student's Guide with step-by-step constructions, guided investigations, and questions for further exploration. Following the Student's Guide is the Teacher's Guide with solutions and hints.

Book Information

File Size: 4838 KB

Print Length: 380 pages

Publisher: Lenart Bt. (Lenart Educational Research and Technology) (January 29, 2013)

Publication Date: January 29, 2013

Sold by: Digital Services LLC

Language: English

ASIN: B00B7W94TS

Text-to-Speech: Enabled

X-Ray: Not Enabled

Word Wise: Enabled

Lending: Enabled

Enhanced Typesetting: Not Enabled

Best Sellers Rank: #764,975 Paid in Kindle Store (See Top 100 Paid in Kindle Store) #11

in Kindle Store > Kindle eBooks > Nonfiction > Science > Mathematics > Geometry & Topology >

Non-Euclidean Geometries #27 in Kindle Store > Kindle eBooks > Nonfiction > Science >

Experiments, Instruments & Measurement > Scientific Instruments #46 in Books > Science &

Customer Reviews

This is a great book if you have the manipulative that accompany it. I'm not sure how useful it would be on its own. I bought it because I'm working on my MA in education. In the past I used the whole thing and loved it. I gave it all away and realized I'd like the book as a reference.

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

Non-Euclidean Adventures on the L²-Sphere
Euclidean and Non-Euclidean Geometries:
Development and History
Euclidean and Non-Euclidean Geometries
Geometry by Construction:
Object Creation and Problem-solving in Euclidean and Non-Euclidean Geometries
Euclidean and Non-Euclidean Geometries
Development and History 4th (Fourth) Edition by Greenberg
Euclidean And Non-Euclidean Geometry::Development and History, 4th edition.[Hardcover,2007]
Non Fiction Writing Templates: 44 Tips to Create Your Own Non Fiction Book (Writing Templates, Writing Non Fiction, Kindle Publishing)
Taxicab Geometry: An Adventure in Non-Euclidean Geometry (Dover Books on Mathematics)
Non-Euclidean Geometry for Babies (Math for Babies)
Non-Euclidean Geometry (Dover Books on Mathematics)
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 Foundations of Geometry and the Non-Euclidean Plane (Undergraduate Texts in Mathematics)
The elements of non-Euclidean geometry
Women and the Public Sphere in the Age of the French Revolution
Fujimori's Peru: Deception in the Public Sphere (Pitt Latin American Series)
After Habermas: New Perspectives on the Public Sphere
Shaping Abortion Discourse: Democracy and the Public Sphere in Germany and the United States (Communication, Society and Politics)
Aikido: Aikido in Everyday Life
Box Set (3 in 1): Aikido+ Aikido & Dynamic Sphere+ Aikido Techniques+ Aikido Basics+ Aikido Fiction- A Complete Aikido ... Tips, Aikido Basics, Aikido mysteries)

[Dmca](#)