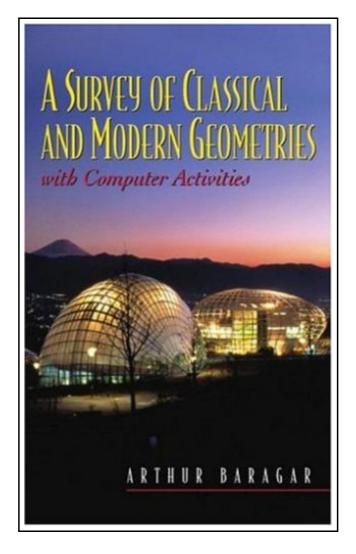
# A Survey of Classical and Modern Geometries: With Computer Activities



Filesize: 4.45 MB

### Reviews

Extremely helpful to any or all category of individuals. It really is rally fascinating throgh studying time period. I am just quickly could possibly get a pleasure of reading a composed ebook. (Lawrence Keeling)

## A SURVEY OF CLASSICAL AND MODERN GEOMETRIES: WITH COMPUTER ACTIVITIES



To save A Survey of Classical and Modern Geometries: With Computer Activities PDF, you should refer to the link listed below and download the ebook or gain access to additional information which are related to A SURVEY OF CLASSICAL AND MODERN GEOMETRIES: WITH COMPUTER ACTIVITIES ebook.

Pearson, 2000. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: Introduction. The Geometry of Our World. A Review of Terminology. Notes on Notation. Notes on the Exercises. 1. Euclidean Geometry. The Pythagorean Theorem. The Axioms of Euclidean Geometry. SSS, SAS, and ASA. Parallel Lines. Pons Asinorum. The Star Trek Lemma. Similar Triangles. Power of the Point. The Medians and Centroid. The Incircle, Excircles, and the Law of Cosines. The Circumcircle and the Law of Sines. The Euler Line. The Nine Point Circle. Pedal Triangles and the Simson Line. Menelaus and Ceva. 2. Geometry in Greek Astronomy. The Relative Size of the Moon and Sun. The Diameter of the Earth. The Babylonians to Kepler, a Time Line. 3. Constructions Using a Compass and Straightedge. The Rules. Some Examples. Basic Results. The Algebra of Constructible Lengths. The Regular Pentagon. Other Constructible Figures. Trisecting an Arbitrary Angle. 4. Geometer's Sketchpad. The Rules of Constructions. Lemmas and Theorems. Archimedes' Trisection Algorithm. Verification of Theorems. Sophisticated Results. Parabola Paper. 5. Higher Dimensional Objects. The Platonic Solids. The Duality of Platonic Solids. The Euler Characteristic. Semiregular Polyhedra. A Partial Categorization of Semiregular Polyhedra. Four-Dimensional Objects. 6. Hyperbolic Geometry. Models. Results from Neutral Geometry. The Congruence of Similar Triangles. Parallel and Ultraparallel Lines. Singly Asymptotic Triangles. Doubly and Triply Asymptotic Triangles. The Area of Asymptotic Triangles. 7. The Poincare Models of Hyperbolic Geometry. The Poincare Upper Half Plane Model. Vertical (Euclidean) Lines. Isometries. Inversion in the Circle. Inversion in Euclidean Geometry. Fractional Linear Transformations. The Cross Ratio. Translations. Rotations. Reflections. Lengths. The Axioms of Hyperbolic Geometry. The Area of Triangles. The Poincare Disc Model. Circles and Horocycles. Hyperbolic Trigonometry. The Angle of Parallelism. Curvature. 8. Tilings and Lattices. Regular Tilings. Semiregular Tilings. Lattices and Fundamental Domains. Tilings in Hyperbolic Space. Tilings...

Read A Survey of Classical and Modern Geometries: With Computer Activities Online
Download PDF A Survey of Classical and Modern Geometries: With Computer
Activities

#### Relevant Kindle Books



[PDF] Ninja Adventure Book: Ninja Book for Kids with Comic Illustration: Fart Book: Ninja Skateboard Farts (Perfect Ninja Books for Boys - Chapter Books for Kids Age 8 - 10 with Comic Pictures Audiobook with Book)

Click the hyperlink below to download and read "Ninja Adventure Book: Ninja Book for Kids with Comic Illustration: Fart Book: Ninja Skateboard Farts (Perfect Ninja Books for Boys - Chapter Books for Kids Age 8 - 10 with Comic Pictures Audiobook with Book)" file.

Save eBook »



#### [PDF] The Trouble with Trucks: First Reading Book for 3 to 5 Year Olds

Click the hyperlink below to download and read "The Trouble with Trucks: First Reading Book for 3 to 5 Year Olds" file.

Save eBook »



## [PDF] Who Am I in the Lives of Children? an Introduction to Early Childhood Education with Enhanced Pearson Etext -- Access Card Package

Click the hyperlink below to download and read "Who Am I in the Lives of Children? an Introduction to Early Childhood Education with Enhanced Pearson Etext -- Access Card Package" file.

Save eBook »



[PDF] Bully, the Bullied, and the Not-So Innocent Bystander: From Preschool to High School and Beyond: Breaking the Cycle of Violence and Creating More Deeply Caring Communities

Click the hyperlink below to download and read "Bully, the Bullied, and the Not-So Innocent Bystander: From Preschool to High School and Beyond: Breaking the Cycle of Violence and Creating More Deeply Caring Communities" file.

Save eBook »



[PDF] Becoming Barenaked: Leaving a Six Figure Career, Selling All of Our Crap, Pulling the Kids Out of School, and Buying an RV We Hit the Road in Search Our Own American Dream. Redefining What It Meant to Be a Family in America.

Click the hyperlink below to download and read "Becoming Barenaked: Leaving a Six Figure Career, Selling All of Our Crap, Pulling the Kids Out of School, and Buying an RV We Hit the Road in Search Our Own American Dream. Redefining What It Meant to Be a Family in America." file.

Save eBook »



[PDF] TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (3-5 years) Intermediate (3)(Chinese Edition)

Click the hyperlink below to download and read "TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (3-5 years) Intermediate (3)(Chinese Edition)" file.

Save eBook »