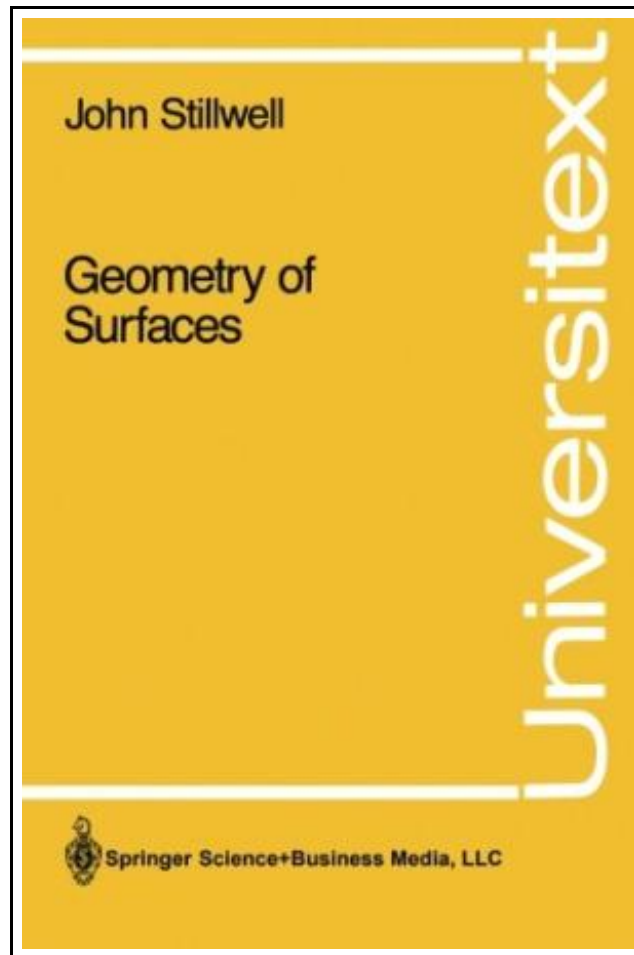


Geometry of Surfaces



Filesize: 2.33 MB

Reviews

A whole new eBook with a brand new point of view. It is definitely simplistic but shocks in the 50 percent of the publication. I am just pleased to explain how this is the greatest ebook i have read during my very own daily life and could be he best ebook for possibly.

(Mitchell Kuhn III)

GEOMETRY OF SURFACES



To save **Geometry of Surfaces** eBook, remember to refer to the web link below and save the file or gain access to additional information which are have conjunction with GEOMETRY OF SURFACES ebook.

Book Condition: New. Publisher/Verlag: Springer, Berlin | The geometry of surfaces is an ideal starting point for learning geometry, for, among other reasons, the theory of surfaces of constant curvature has maximal connectivity with the rest of mathematics. This text provides the student with the knowledge of a geometry of greater scope than the classical geometry taught today, which is no longer an adequate basis for mathematics or physics, both of which are becoming increasingly geometric. It includes exercises and informal discussions. |

1. The Euclidean Plane.- 1.1 Approaches to Euclidean Geometry.- 1.2 Isometries.- 1.3 Rotations and Reflections.- 1.4 The Three Reflections Theorem.- 1.5 Orientation-Reversing Isometries.- 1.6 Distinctive Features of Euclidean Geometry.- 1.7 Discussion.- 2. Euclidean Surfaces.- 2.1 Euclid on Manifolds.- 2.2 The Cylinder.- 2.3 The Twisted Cylinder.- 2.4 The Torus and the Klein Bottle.- 2.5 Quotient Surfaces.- 2.6 A Nondiscontinuous Group.- 2.7 Euclidean Surfaces.- 2.8 Covering a Surface by the Plane.- 2.9 The Covering Isometry Group.- 2.10 Discussion.- 3. The Sphere.- 3.1 The Sphere S^2 in \mathbb{R}^3 .- 3.2 Rotations.- 3.3 Stereographic Projection.- 3.4 Inversion and the Complex Coordinate on the Sphere.- 3.5 Reflections and Rotations as Complex Functions.- 3.6 The Antipodal Map and the Elliptic Plane.- 3.7 Remarks on Groups, Spheres and Projective Spaces.- 3.8 The Area of a Triangle.- 3.9 The Regular Polyhedra.- 3.10 Discussion.- 4. The Hyperbolic Plane.- 4.1 Negative Curvature and the Half-Plane.- 4.2 The Half-Plane Model and the Conformal Disc Model.- 4.3 The Three Reflections Theorem.- 4.4 Isometries as Complex Functions.- 4.5 Geometric Description of Isometries.- 4.6 Classification of Isometries.- 4.7 The Area of a Triangle.- 4.8 The Projective Disc Model.- 4.9 Hyperbolic Space.- 4.10 Discussion.- 5. Hyperbolic Surfaces.- 5.1 Hyperbolic Surfaces and the Killing-Hopf Theorem.- 5.2 The Pseudosphere.- 5.3 The Punctured Sphere.- 5.4 Dense Lines on the Punctured Sphere.- 5.5 General Construction of Hyperbolic...



Read Geometry of Surfaces Online



Download PDF Geometry of Surfaces



Download ePub Geometry of Surfaces

See Also



[PDF] Would It Kill You to Stop Doing That?

Access the link listed below to download and read "Would It Kill You to Stop Doing That?" PDF document.

[Save PDF »](#)



[PDF] Violet Rose and the Surprise Party

Access the link listed below to download and read "Violet Rose and the Surprise Party" PDF document.

[Save PDF »](#)



[PDF] TJ new concept of the Preschool Quality Education Engineering: new happy learning young children (3-5 years old) daily learning book Intermediate (2)(Chinese Edition)

Access the link listed below to download and read "TJ new concept of the Preschool Quality Education Engineering: new happy learning young children (3-5 years old) daily learning book Intermediate (2)(Chinese Edition)" PDF document.

[Save PDF »](#)



[PDF] TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (2-4 years old) in small classes (3)(Chinese Edition)

Access the link listed below to download and read "TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (2-4 years old) in small classes (3)(Chinese Edition)" PDF document.

[Save PDF »](#)



[PDF] Oxford Reading Tree Read with Biff, Chip, and Kipper: Phonics: Level 3: The Backpack (Hardback)

Access the link listed below to download and read "Oxford Reading Tree Read with Biff, Chip, and Kipper: Phonics: Level 3: The Backpack (Hardback)" PDF document.

[Save PDF »](#)



[PDF] Oxford Reading Tree Read with Biff, Chip, and Kipper: Phonics: Level 3: The Sing Song (Hardback)

Access the link listed below to download and read "Oxford Reading Tree Read with Biff, Chip, and Kipper: Phonics: Level 3: The Sing Song (Hardback)" PDF document.

[Save PDF »](#)

**[PDF] Read Write Inc. Phonics: Green Set 1 Non-Fiction 4 What am I?**

Follow the link under to read "Read Write Inc. Phonics: Green Set 1 Non-Fiction 4 What am I?" file.

[Read Book »](#)

**[PDF] Read Write Inc. Phonics: Set 7 Non-Fiction 3 the Ice and Snow Book**

Follow the link under to read "Read Write Inc. Phonics: Set 7 Non-Fiction 3 the Ice and Snow Book" file.

[Read Book »](#)

**[PDF] Read Write Inc. Phonics: Grey Set 7 Non-Fiction 1 a Job for Jordan**

Follow the link under to read "Read Write Inc. Phonics: Grey Set 7 Non-Fiction 1 a Job for Jordan" file.

[Read Book »](#)

**[PDF] Read Write Inc. Phonics: Green Set 1 Storybook 3 Six Fish**

Follow the link under to read "Read Write Inc. Phonics: Green Set 1 Storybook 3 Six Fish" file.

[Read Book »](#)

**[PDF] JA] early childhood parenting :1-4 Genuine Special(Chinese Edition)**

Follow the link under to read "JA] early childhood parenting :1-4 Genuine Special(Chinese Edition)" file.

[Read Book »](#)

**[PDF] Read Write Inc. Phonics: Pink Set 3 Non-Fiction 1 Jay s Clay Pot**

Follow the link under to read "Read Write Inc. Phonics: Pink Set 3 Non-Fiction 1 Jay s Clay Pot" file.

[Read Book »](#)