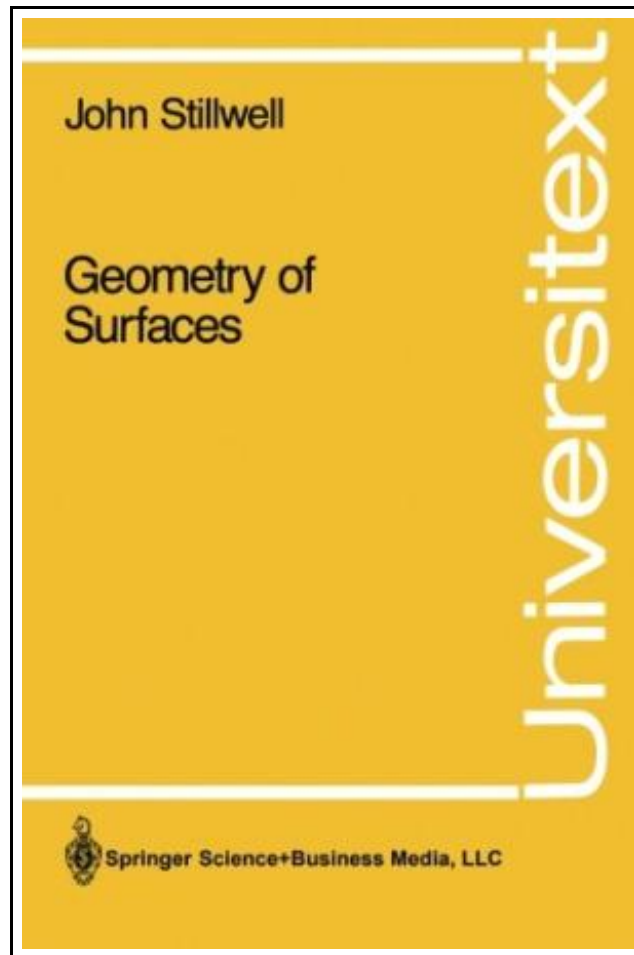


Geometry of Surfaces



Filesize: 8.44 MB

Reviews

Comprehensive information for book fans. It is one of the most amazing book i actually have read. Once you begin to read the book, it is extremely difficult to leave it before concluding.
(Yoshiko Okuneva)

GEOMETRY OF SURFACES

DOWNLOAD



To read **Geometry of Surfaces** PDF, remember to refer to the web link listed below and download the ebook or get access to other information which might be have conjunction with GEOMETRY OF SURFACES book.

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](#)

Related Kindle Books

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

Follow the link beneath to read "Would It Kill You to Stop Doing That?" file.

[Read eBook »](#)

**[PDF] Violet Rose and the Surprise Party**

Follow the link beneath to read "Violet Rose and the Surprise Party" file.

[Read eBook »](#)

**[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)**

Follow the link beneath to 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)" file.

[Read eBook »](#)

**[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)**

Follow the link beneath to 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)" file.

[Read eBook »](#)

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

Follow the link beneath to read "Oxford Reading Tree Read with Biff, Chip, and Kipper: Phonics: Level 3: The Backpack (Hardback)" file.

[Read eBook »](#)

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

Follow the link beneath to read "Oxford Reading Tree Read with Biff, Chip, and Kipper: Phonics: Level 3: The Sing Song (Hardback)" file.

[Read eBook »](#)



[PDF] Read Write Inc. Phonics: Purple Set 2 Non-Fiction 3 a Pet Goldfish (Paperback)

Follow the hyperlink below to get "Read Write Inc. Phonics: Purple Set 2 Non-Fiction 3 a Pet Goldfish (Paperback)" file.

[Read ePub »](#)



[PDF] Read Write Inc. Phonics: Blue Set 6 Storybook 4 King of the Birds (Paperback)

Follow the hyperlink below to get "Read Write Inc. Phonics: Blue Set 6 Storybook 4 King of the Birds (Paperback)" file.

[Read ePub »](#)



[PDF] Read Write Inc. Phonics: Green Set 1 Storybook 4 the Spell (Paperback)

Follow the hyperlink below to get "Read Write Inc. Phonics: Green Set 1 Storybook 4 the Spell (Paperback)" file.

[Read ePub »](#)



[PDF] Slavonic Rhapsody in A-Flat Major, B.86.3: Study Score (Paperback)

Follow the hyperlink below to get "Slavonic Rhapsody in A-Flat Major, B.86.3: Study Score (Paperback)" file.

[Read ePub »](#)



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

Follow the hyperlink below to get "Read Write Inc. Phonics: Set 7 Non-Fiction 3 the Ice and Snow Book (Paperback)" file.

[Read ePub »](#)



[PDF] Read Write Inc. Phonics: Pink Set 3 Storybook 6 Sanjay Stays in Bed (Paperback)

Follow the hyperlink below to get "Read Write Inc. Phonics: Pink Set 3 Storybook 6 Sanjay Stays in Bed (Paperback)" file.

[Read ePub »](#)