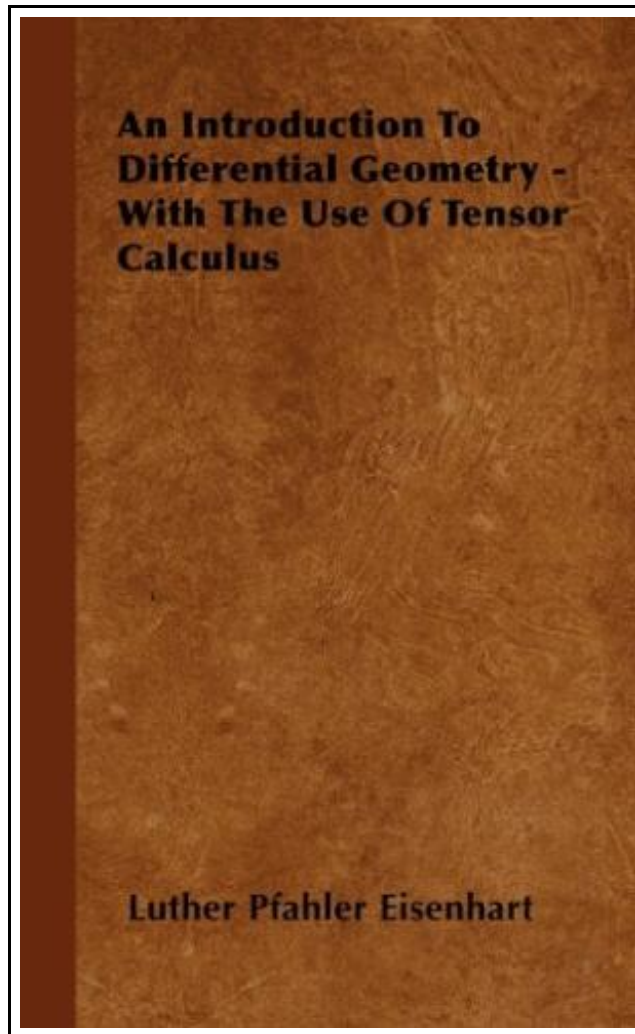


An Introduction to Differential Geometry - With the Use of Tensor Calculus



Filesize: 9.19 MB

Reviews

I just started off looking at this pdf. Of course, it is perform, continue to an amazing and interesting literature. I realized this pdf from my dad and i recommended this book to understand.
(Mrs. Ettie Berge)

AN INTRODUCTION TO DIFFERENTIAL GEOMETRY - WITH THE USE OF TENSOR CALCULUS



Maugham Press. Hardcover. Book Condition: New. Hardcover. 320 pages. Dimensions: 8.6in. x 5.8in. x 1.1in. AN INTRODUCTION TO DIFFERENTIAL GEOMETRY WITH USE OF THE TENSOR CALCULUS By LUTHER PFAHLER EISENHART. Preface: Since 1909, when my Differential Geometry of Curves and Surfaces was published, the tensor calculus, which had previously been invented by Ricci, was adopted by Einstein in his General Theory of Relativity, and has been developed further in the study of Riemannian Geometry and various generalizations of the latter. In the present book the tensor calculus of euclidean 3-space is developed and then generalized so as to apply to a Riemannian space of any number of dimensions. The tensor calculus as here developed is applied in Chapters III and IV to the study of differential geometry of surfaces in 3-space, the material treated being equivalent to what appears in general in the first eight chapters of my former book with such additions as follow from the introduction of the concept of parallelism of Levi-Civita and the content of the tensor calculus. LUTHER PFAHLER EISENHART. Contents include: CHAPTER I CURVES IN SPACE SECTION PAGE 1. Curves and surfaces. The summation convention 1 2. Length of a curve. Linear element, 8 3. Tangent to a curve. Order of contact. Osculating plane 11 4. Curvature. Principal normal. Circle of curvature 16 5. Tangent normal. Torsion 19 6. The Frenet Formulas. The form of a curve in the neighborhood of a point 25 7. Intrinsic equations of a curve 31 8. Involution and evolutes of a curve 34 9. The tangent surface of a curve. The polar surface. Osculating sphere. . 38 10. Parametric equations of a surface. Coordinates and coordinate curves of a surface 44 11. 1 Tangent plane to a surface 50 12. Developable surfaces. Envelope of a one-parameter family of surfaces....



[Read An Introduction to Differential Geometry - With the Use of Tensor Calculus Online](#)



[Download PDF An Introduction to Differential Geometry - With the Use of Tensor Calculus](#)

Related Kindle Books



DK Readers Animal Hospital Level 2 Beginning to Read Alone

DK CHILDREN. Paperback. Book Condition: New. Paperback. 32 pages. Dimensions: 8.9in. x 5.8in. x 0.1in.This Level 2 book is appropriate for children who are beginning to read alone. When Jack and Luke take an injured...

[Save eBook »](#)



DK Readers Day at Greenhill Farm Level 1 Beginning to Read

DK CHILDREN. Paperback. Book Condition: New. Paperback. 32 pages. Dimensions: 8.8in. x 5.7in. x 0.2in.This Level 1 book is appropriate for children who are just beginning to read. When the rooster crows, Greenhill Farm springs...

[Save eBook »](#)



Dont Line Their Pockets With Gold Line Your Own A Small How To Book on Living Large

Madelyn D R Books. Paperback. Book Condition: New. Paperback. 106 pages. Dimensions: 9.0in. x 6.0in. x 0.3in.This book is about my cousin, Billy a guy who taught me a lot over the years and who...

[Save eBook »](#)



Molly on the Shore, BFMS 1 Study score

Petrucchi Library Press. Paperback. Book Condition: New. Paperback. 26 pages. Dimensions: 9.7in. x 6.9in. x 0.3in.Percy Grainger, like his contemporary Bela Bartok, was intensely interested in folk music and became a member of the English...

[Save eBook »](#)



Lans Plant Readers Clubhouse Level 1

Barron's Educational Series. Paperback. Book Condition: New. Paperback. 24 pages. Dimensions: 8.9in. x 5.7in. x 0.3in.This is volume six, Reading Level 1, in a comprehensive program (Levels 1 and 2)for beginning readers. Two nine-book sets...

[Save eBook »](#)

**DK Readers Disasters at Sea Level 3 Reading Alone**

DK CHILDREN. Paperback. Book Condition: New. Paperback. 32 pages. Dimensions: 8.8in. x 5.7in. x 0.2in. From fog, ice, and rocks to cannon fire and torpedo attacks--read the story of five doomed sea voyages and the fate

[Save Document »](#)

**The Old Testament Cliffs Notes**

Cliffs Notes. Paperback. Book Condition: New. Paperback. 96 pages. Dimensions: 8.1in. x 5.1in. x 0.3in. The original CliffsNotes study guides offer expert commentary on major themes, plots, characters, literary devices, and historical background. The latest generation

[Save Document »](#)

**Magnificat in D Major, Bwv 243 Study Score Latin Edition**

Petrucchi Library Press. Paperback. Book Condition: New. Paperback. 70 pages. Dimensions: 9.8in. x 7.2in. x 0.3in. Bach composed the first version of this piece in 1723 using the key of E-flat major for the Christmas Vespers

[Save Document »](#)

**The Mystery on Alaskas Iditarod Trail Real Kids, Real Places**

Gallopade International. Paperback. Book Condition: New. Paperback. 150 pages. Dimensions: 7.3in. x 5.2in. x 0.5in. When you purchase the Library Bound mystery you will receive FREE online eBook access! Carole Marsh Mystery Online eBooks are an

[Save Document »](#)

**The Mystery on the Oregon Trail Real Kids, Real Places**

Gallopade International. Paperback. Book Condition: New. Paperback. 160 pages. Dimensions: 7.5in. x 5.3in. x 0.5in. When you purchase the Library Bound mystery you will receive FREE online eBook access! Carole Marsh Mystery Online eBooks are an

[Save Document »](#)