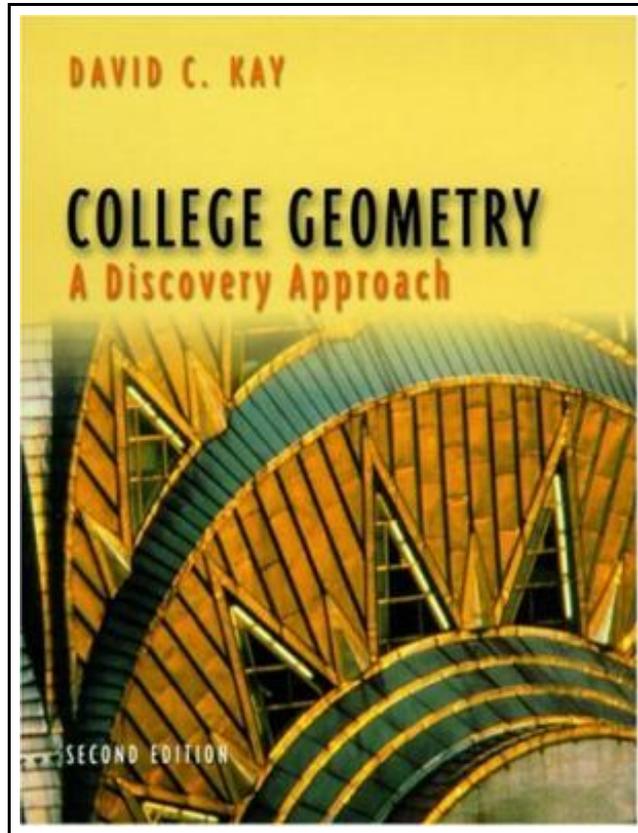


## College Geometry: A Discovery Approach (2nd Edition)



Filesize: 7.58 MB

### ***Reviews***

*I just started out looking over this ebook. it was writtern extremely perfectly and useful. You are going to like the way the blogger publish this book.*

*(Micaela Kutch)*

## COLLEGE GEOMETRY: A DISCOVERY APPROACH (2ND EDITION)



Pearson, 2000. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: (\* Indicates optional section.) Preface. To the Student. 1. Exploring Geometry. Discovery in Geometry. Variations on Two Familiar Geometric Themes. Discovery via the Computer. Steiner's Theorem. 2. Foundations of Geometry I: Points, Lines, Segments, and Angles. \*An Introduction to Axiomatics and Proof. \*The Role of Examples and Models. Incidence Axioms for Geometry. Distance, Ruler Postulate, Segments, Rays, and Angles. Angle Measure and the Protractor Postulate. Plane Separation, Interior of Angles, Crossbar Theorem. Chapter Summary. 3. Foundations of Geometry II: Triangles, Quadrilaterals, and Circles. Triangles, Congruence Relations, SAS Hypothesis. \*Taxicab Geometry: Geometry Without SAS Congruence. SAS, ASA, SSS Congruence, and Perpendicular Bisectors. Exterior Angle Inequality. The Inequality Theorems. Additional Congruence Criteria. Quadrilaterals. Circles. Chapter Summary. 4. Euclidean Geometry: Trigonometry, Coordinates, and Vectors. Euclidean Parallelism, Existence of Rectangles. Parallelograms and Trapezoids: Parallel Projection. Similar Triangles, Pythagorean Theorem, Trigonometry. Regular Polygons and Tiling. \*Euclid's Concept of Area and Volume. Coordinate Geometry and Vectors. \*Some Modern Geometry of the Triangle. Chapter Summary. 5. Transformations in Geometry. Euclid's Superposition Proof and Plan Transformation. Reflections: Building Blocks for Isometries. Translations, Rotations and Other Isometries. Other Linear Transformations. Coordinate Characterization. \*Using Transformation Theory in Proofs. Chapter Summary. 6. Alternative Concepts for Parallelism: Non-Euclidean Geometry. Historical Background of Non-Euclidean Geometry. An Improbable Logical Case. Hyperbolic Geometry: Angle Sum Theorem. \*Two Models for Hyperbolic Geometry. \*Circular Inversion: Proof of SAS Postulate for Half-Plane Model. Chapter Summary. 7. An Introduction to Three Dimensional Geometry. Orthogonality Concepts for Lines and Plans. Parallelism in Space: Prisms, Pyramids, and the Platonic Solids. Cones, Cylinders, and Spheres. Volume in E3. Coordinates, Vectors, and Isometries in E3. Spherical Geometry. Chapter Summary. Appendixes. A. Bibliography. B. Review of Topics in Secondary School Geometry. C. The Geometer's Sketchpad: Brief Instructions. D....



[Read College Geometry: A Discovery Approach \(2nd Edition\) Online](#)



[Download PDF College Geometry: A Discovery Approach \(2nd Edition\)](#)

## You May Also Like

---



### **Star Flights Bedtime Spaceship: Journey Through Space While Drifting Off to Sleep**

CreateSpace Independent Publishing Platform, 2013. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: "Star Flights Bedtime Spaceship" is a charming and fun story with the purpose to help children...

[Download eBook »](#)

---



### **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)**

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment.Paperback. Pub Date :2005-09-01 Publisher: Chinese children before making Reading: All books are the...

[Download eBook »](#)

---



### **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)**

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment.Paperback. Pub Date :2005-09-01 Publisher: Chinese children before making Reading: All books are the...

[Download eBook »](#)

---



### **Tax Practice (2nd edition five-year higher vocational education and the accounting profession teaching the book)(Chinese Edition)**

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment.Pages Number: 282 Publisher: Higher Education Pub. Date :2009-01-01 version 2. This book is...

[Download eBook »](#)

---



### **Grandpa Spanielson's Chicken Pox Stories: Story #1: The Octopus (I Can Read Book 2)**

HarperCollins, 2005. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: Foreword by Raph Koster. Introduction. I. EXECUTIVE CONSIDERATIONS. 1. The Market. Do We Enter the Market? Basic Considerations. How...

[Download eBook »](#)