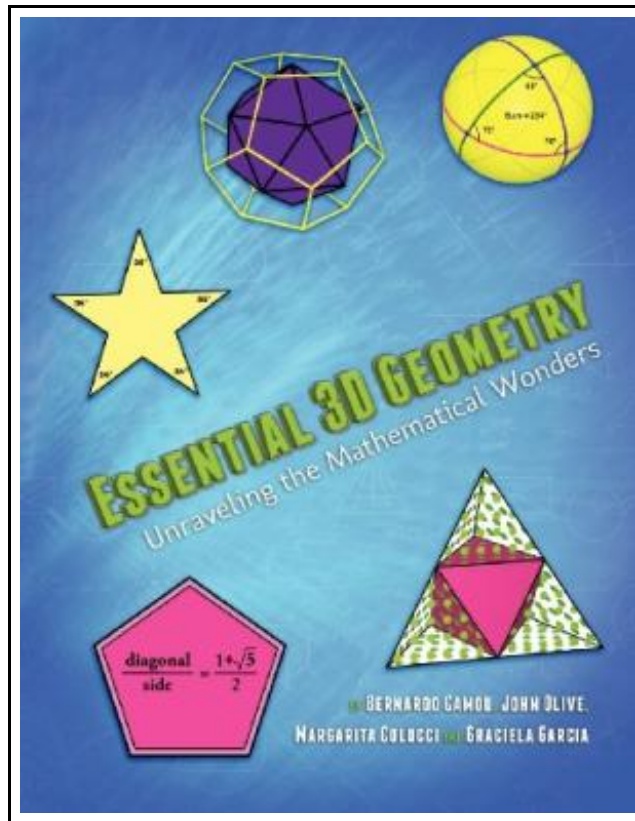


## Essential 3D Geometry: Unraveling the Mathematical Wonders



Filesize: 3.2 MB

### ***Reviews***

*It is one of the best ebooks. It really is filled with knowledge and wisdom I realized this publication from my dad and I advised this publication to understand.*

***(Raina Lockman)***

## ESSENTIAL 3D GEOMETRY: UNRAVELING THE MATHEMATICAL WONDERS

[DOWNLOAD](#)

University Readers. Paperback. Book Condition: New. Paperback. 114 pages. Dimensions: 10.9in. x 8.5in. x 0.4in. We live out our lives in a three dimensional world. However, our understanding of what this means is meager, and the study of 3D Geometry is markedly absent from our educational system. Essential 3D Geometry: Unraveling the Mathematical Wonders bridges the gap between current mathematical knowledge and our fascinating and unexplored 3D world. Originally developed by and for high school students, the material in Essential 3D Geometry has been successfully developed into a college-level text for pre-service teachers. The book offers an original and unique approach for learning mathematics iMAT engineering which is based on the principle that learning mathematics is an integrated activity calling for multi-type presentations of mathematical objects through the use of different technologies. The text begins with a thorough study of the building blocks of spatial structures, the five Platonic Solids. The material integrates 2D and 3D geometry, as well as algebra and trigonometry. Subsequent chapters cover a variety of topics including Thales Theorem, the volume of the Platonic solids and non-regular tetrahedrons, circumcircles and circum-spheres, Archimedean Bodies, and spatial transformations. Students will learn to produce and make use of three types of representation of 3D objects: solids or lattice models, Cabri 3D or GSP files, and constructions using a straight-edge and compass or free hand drawings. Representations will be developed using paper and pencil, craft technology, and computer technology. Essential 3D Geometry is an excellent tool for introducing math educators to the concepts of 3D geometry, helping them go on to develop similar courses for their own students. Bernardo Camou has 20 years of experience teaching mathematics in secondary education. In 2009, he began work on his Ph. D. in mathematics education at the University of Georgia, graduating in May 2012. His dissertation topic, and...

[Read Essential 3D Geometry: Unraveling the Mathematical Wonders Online](#)[Download PDF Essential 3D Geometry: Unraveling the Mathematical Wonders](#)

## Other Books



### Yearbook Volume 15

RareBooksClub. Paperback. Book Condition: New. This item is printed on demand. Paperback. 58 pages. Dimensions: 9.7in. x 7.4in. x 0.1in.This historic book may have numerous typos and missing text. Purchasers can usually download a free...

[Save Book »](#)



### Just So Stories

CreateSpace Independent Publishing Platform. Paperback. Book Condition: New. This item is printed on demand. Paperback. 114 pages. Dimensions: 9.0in. x 6.0in. x 0.3in.The Just So Stories for Little Children were written by British author Rudyard...

[Save Book »](#)



### Early National City CA Images of America

Arcadia Publishing. Paperback. Book Condition: New. Paperback. 128 pages. Dimensions: 9.1in. x 6.4in. x 0.4in.Below the surface of bustling National City lies the story of olive and citrus orchards, grand Victorian homes, great wealth, and...

[Save Book »](#)



### Wondrous Strange

Harper Teen. Paperback. Book Condition: New. Paperback. 352 pages. Dimensions: 7.9in. x 5.3in. x 0.9in.Since the dawn of time, the Faerie have taken. . . . Seventeen-year-old actress Kelley Winslow always thought faeries were just...

[Save Book »](#)



### Stories of Addy and Anna: Japanese-English Edition (Paperback)

Mohd Shahrin Bin Daud, United States, 2015. Paperback. Book Condition: New. Siti Haziqah Samsul (illustrator). 244 x 170 mm. Language: Japanese . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.This book is bilingual (Japanese-English) edition....

[Save Book »](#)