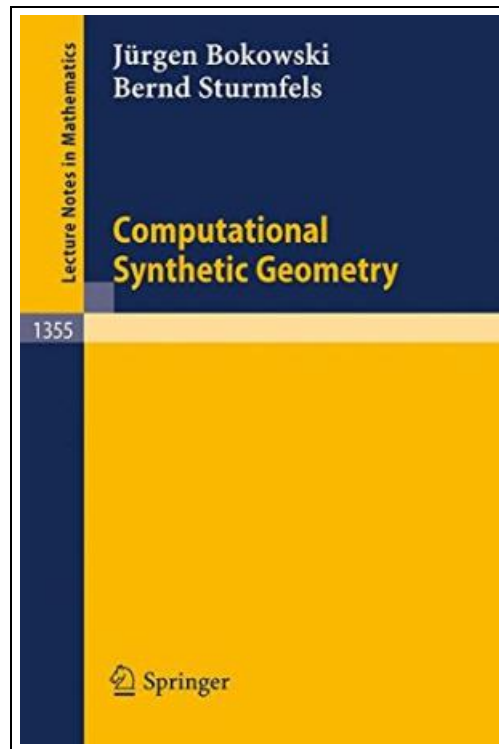


Computational Synthetic Geometry



Filesize: 9.51 MB

Reviews

A really awesome publication with perfect and lucid reasons. I was able to comprehend every thing using this published e pdf. It is extremely difficult to leave it before concluding, once you begin to read the book.
(Prof. Patsy Blanda)

COMPUTATIONAL SYNTHETIC GEOMETRY

[DOWNLOAD](#)

Springer. Paperback. Book Condition: New. Paperback. 172 pages. Dimensions: 9.2in. x 6.0in. x 0.5in. Computational synthetic geometry deals with methods for realizing abstract geometric objects in concrete vector spaces. This research monograph considers a large class of problems from convexity and discrete geometry including constructing convex polytopes from simplicial complexes, vector geometries from incidence structures and hyperplane arrangements from oriented matroids. It turns out that algorithms for these constructions exist if and only if arbitrary polynomial equations are decidable with respect to the underlying field. Besides such complexity theorems a variety of symbolic algorithms are discussed, and the methods are applied to obtain new mathematical results on convex polytopes, projective configurations and the combinatorics of Grassmann varieties. Finally algebraic varieties characterizing matroids and oriented matroids are introduced providing a new basis for applying computer algebra methods in this field. The necessary background knowledge is reviewed briefly. The text is accessible to students with graduate level background in mathematics, and will serve professional geometers and computer scientists as an introduction and motivation for further research. This item ships from multiple locations. Your book may arrive from Roseburg,OR, La Vergne,TN. Paperback.

[Read Computational Synthetic Geometry Online](#)[Download PDF Computational Synthetic Geometry](#)

You May Also Like



The Tale of Jemima Puddle-Duck - Read it Yourself with Ladybird: Level 2

Penguin Books Ltd. Paperback. Book Condition: new. BRAND NEW, The Tale of Jemima Puddle-Duck - Read it Yourself with Ladybird: Level 2, This is a gentle adaptation of the classic tale by Beatrix Potter. Jemima...

[Download Book »](#)



Dom's Dragon - Read it Yourself with Ladybird: Level 2

Penguin Books Ltd. Paperback. Book Condition: new. BRAND NEW, Dom's Dragon - Read it Yourself with Ladybird: Level 2, Mandy Ross, One day, Dom finds a little red egg and soon he is the owner...

[Download Book »](#)



Peppa Pig: Nature Trail - Read it Yourself with Ladybird: Level 2

Penguin Books Ltd. Paperback. Book Condition: new. BRAND NEW, Peppa Pig: Nature Trail - Read it Yourself with Ladybird: Level 2, Peppa Pig and her family are enjoying a nature walk when they get lost....

[Download Book »](#)



Rumpelstiltskin - Read it Yourself with Ladybird: Level 2

Penguin Books Ltd. Paperback. Book Condition: new. BRAND NEW, Rumpelstiltskin - Read it Yourself with Ladybird: Level 2, In this classic fairy tale, a miller's daughter has to spin straw into gold for the king....

[Download Book »](#)



Peppa Pig: Sports Day - Read it Yourself with Ladybird: Level 2

Penguin Books Ltd. Paperback. Book Condition: new. BRAND NEW, Peppa Pig: Sports Day - Read it Yourself with Ladybird: Level 2, Peppa Pig is having fun with her friends at Sports Day, but she is...

[Download Book »](#)