

COMPUTATIONAL METHODS IN COMMUTATIVE ALGEBRA AND ALGEBRAIC GEOMETRY
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computational methods in commutative pdf

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Data Structures and Algorithms authors/titles recent

Conference Organization AMS-MAA Joint Meetings, 2013, San Diego, CA, Special Session: Witt vectors: liftings and descent, with J. Borger, A. Buium, T. Dupuy.

Lance Edward Miller

About: I am a member of Courant's Theoretical Computer Science Group. My work is in the areas of cryptography, quantum computation, and complexity theory. A main focus of my research is on lattice-based cryptography, and specifically the Learning With Errors problem. For several years I am most interested in deciphering the pre-mRNA splicing code and involved in the development of antisense drugs.

Oded Regev - Courant Institute of Mathematical Sciences

Mathematics encompasses a growing variety and depth of subjects over history, and comprehension requires a system to categorize and organize the many subjects into more general areas of mathematics. A number of different classification schemes have arisen, and though they share some similarities, there are differences due in part to the different purposes they serve.

Areas of mathematics - Wikipedia

Algebraic geometry is a branch of mathematics, classically studying zeros of multivariate polynomials. Modern algebraic geometry is based on the use of abstract algebraic techniques, mainly from commutative algebra, for solving geometrical problems about these sets of zeros. The fundamental objects of study in algebraic geometry are algebraic varieties, which are geometric manifestations of ...

Algebraic geometry - Wikipedia

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This note is intended for students who have a background in multivariable calculus and some experience in proof-based mathematics. Topics covered includes: Euclidean geometry, Polygons, Triangulations and Tilings, The Chord Theorem, Tangrams and Scissors Congruence, Spherical Geometry, Hyperbolic geometry, Euclid's axioms and the parallel postulate, Incidence geometry and Hyperbolic isometries.

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Dual-Quaternions: From Classical Mechanics to Computer Graphics and Beyond Ben Kenwright (bkenwright@xbdev.net) (October 2012) pp 2-11 Basically, a dual-quaternion is the concatenation of

Dual-Quaternions - Tutorials - Demos

The first version of these notes was written for a first-year graduate algebra course. As in most such courses, the notes concentrated on abstract groups and, in particular, on finite

J.S. Milne

Focusing on the Fundamentals of Math A TEACHER'S GUIDE This guide is intended to support teachers' ongoing efforts in building students' knowledge and skills in mathematics.

Focusing on the Fundamentals of Math

MATHEMATICAL CRYPTOLOGY Keijo Ruohonen (Translation by Jussi Kangas and Paul Coughlan) 2014

MATHEMATICAL CRYPTOLOGY - TUT

Topical Software¶. This page indexes add-on software and other resources relevant to SciPy, categorized by scientific discipline or computational topic.

Topical Software — SciPy.org

This note provides an introduction to trigonometry, an introduction to vectors, and the operations on functions. Topics covered includes: New functions from old functions, Trigonometry in circles and triangles, trigonometric functions, vectors.

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The ABC Conjecture. New Scientist article on the ABC conjecture; Notes on the Oxford IUT workshop by Brian Conrad; An ABC proof too tough even for mathematicians, Kevin Hartnett Boston Globe, November 4, 2012 ; The abc conjecture, as easy as 1, 2, 3 ? or not, Alex Ghitza, The Conversation, 26 November 2012 ; The ABC's of Number Theory (Noam Elkies) ; Reken mee met ABC (Bart de Smit, Gillien ...

Descriptions of areas/courses in number theory

Knowledge-Based Systems Concepts, Techniques, Examples Reid G. Smith Schlumberger-Doll Research Old Quarry Road Ridgefield, CT USA 06877 Presented at the Canadian High Technology Show. Lansdowne Park, Ottawa, ON, May 8, 1985.

Knowledge-Based Systems: Concepts, Techniques, Examples

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