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Core Connections
 Journal of Research of the National Bureau of Standards
 Geometry of Algebraic Curves
 Handbook of Differential Geometry, Volume 1
 Geometry of Vector Sheaves
 Connections Between Steel and Concrete
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 Uncovering Student Thinking About Mathematics in the Common Core, Grades 6-8
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 History of Construction Cultures Volume 1
 Mathematical Principles of the Internet, Volume 1
 What Babies Know
 Oxford Studies in Early Modern Philosophy, Volume X
 Optical Fiber Sensor Technology
 Handbook of Humidity Measurement, Volume 1
 Groups St Andrews 1997 in Bath
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 The Oxford Handbook of Cognitive Neuroscience, Volume 1
 Common Core Connections Math, Grade 5
 Explore Shapes and Angles!
 The Computer Supported Collaborative Learning (CSCL) Conference 2013, Volume 1
 CK-12 Basic Geometry, Volume 2 Of 2
 Science Formative Assessment, Volume 1
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 Uncovering Student Thinking About Mathematics in the Common Core, High School
 Philosophical Papers: Volume 2, Mind, Language and Reality
 Core Connections
 Electric Generators Handbook - Two Volume Set
 Common Core Connections Math, Grade 5
 Engaging Young Children in Mathematics
 Core Connections

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HURLEY BOOKER

Core Connections Corwin Press

Pinpoint and reverse math misconceptions with laser-like accuracy Here's the middle-grades math resource you've been waiting for! Bestselling authors Cheryl Tobey and Carolyn Arline are back with 25 entirely new assessment probes that pinpoint subconcepts within the new Common Core Standards for Mathematics to promote deep learning and expert math instruction. Learn to ask the right questions to uncover common student misconceptions. Get practical instructional ideas that build new and accurate skills--while learning is already underway. It's all here in this detailed and grade-level specific guide. Organized by strand, the probes will enable you to: Quickly and objectively evaluate common misconceptions around fractions and decimals, linear equations, ratios and percents, statistics, and more Systematically address conceptual misunderstandings and procedural mistakes--before they become long-term problems Help students better understand areas of difficulty Plan targeted instruction that builds on students' current understandings while addressing areas of struggle Master the essential CCSM mathematical processes and proficiencies for Grades 6-8 You'll find sample student responses, extensive Teacher Notes, and research-based tips and resources. Eliminate the guesswork and join thousands of busy middle-grades teachers who've used these easy-to-implement tools to foster solid math proficiency! "This book will definitely help mathematics teachers now that the CCSS are becoming such a big part of our teaching." —Debra A. Scarpelli, Middle School Mathematics Teacher

RIMLE President, PARCC/CCSS ELC Cadre for Rhode Island, and Adjunct Professor

Journal of Research of the National Bureau of Standards CRC Press

Oxford Studies in Early Modern Philosophy is an annual series, presenting a selection of the best current work in the history of early modern philosophy. It focuses on the seventeenth and eighteenth centuries - the extraordinary period of intellectual flourishing that begins, very roughly, with Descartes and his contemporaries and ends with Kant. It also publishes papers on thinkers or movements outside of that framework, provided they are important in illuminating early modern thought. The articles in OSEMP will be of importance to specialists within the discipline, but the editors also intend that they should appeal to a larger audience of philosophers, intellectual historians, and others who are interested in the development of modern thought.

[Geometry of Algebraic Curves](#) Springer Science & Business Media

This book contains some selected papers from the International Conference on Extreme Learning Machine 2014, which was held in Singapore, December 8-10, 2014. This conference brought together the researchers and practitioners of Extreme Learning Machine (ELM) from a variety of fields to promote research and development of "learning without iterative tuning". The book covers theories, algorithms and applications of ELM. It gives the readers a glance of the most recent advances of ELM.

[Handbook of Differential Geometry, Volume 1](#) Lulu.com

Optical Fiber Sensor Technology covers both the principles and applications of this technology. Drawing upon leading international experts for

authoritative chapters reflecting the present state-of-the-art, the book contains essential tutorial material on the fundamentals of optics and optical fibres, reviews of the underlying technology and present and potential future applications. Extensively illustrated and carefully referenced, this volume will prove an invaluable source for researchers, engineers and advanced students from the fields of optoelectronics/optics and/or measurement and sensors.

Geometry of Vector Sheaves Elsevier

"The second of a three-year sequence of courses designed to prepare students for a rigorous college preparatory algebra course. It uses a problem-based approach with concrete models. The course helps students to develop multiple strategies to solve problems and to recognize the connections between concepts" -- publisher's website.

Connections Between Steel and Concrete Oxford University Press

A rich source of authoritative information that supports reading and study in the field of cognitive neuroscience, this two-volume handbook reviews the current state-of-the-science in all major areas of the field.

Theory Oxford University Press

Engaging Young Children in Mathematics: Standards for Early Childhood Mathematics Education brings together the combined wisdom of a diverse group of experts involved with early childhood mathematics. The book originates from the landmark 2000 Conference on Standards for Pre-kindergarten and Kindergarten Mathematics Education, attended by representatives from almost every state developing standards for young children's mathematics; federal government officials; mathematicians; mathematics educators; researchers from mathematics education, early childhood education, and psychology; curriculum developers; teachers; policymakers; and professionals from organizations such as the National Conference of Teachers of Mathematics and the National Association for the Education of Young Children. The main goal of the Conference was to work collectively to help those responsible for framing and implementing early childhood mathematics standards. Although it has its roots in the Conference, the expanded scope of the standards and recommendations covered in this book includes the full range of kindergarten to grade 2. The volume is organized into two main parts and an online appendix (<http://www.gse.buffalo.edu/org/conference/>). Part One, Major Themes and Recommendations, offers a framework for thinking about pre-kindergarten - grade 2 mathematics education and specific recommendations. Part Two, Elaboration of Major Themes and Recommendations, provides substantive detail regarding young students' understandings of mathematical ideas. Each Part includes five parallel subsections: "Standards in Early Childhood Education"; "Math Standards and Guidelines"; "Curriculum, Learning, Teaching, and Assessment"; "Professional Development"; and "Toward the Future: Implementation and Policy." As a whole the book: * presents comprehensive summaries of research that provide specific guidelines for standards, curriculum, and teaching; * takes the recent reports and recommendations for early childhood mathematics education to the next level; * integrates practical details and research throughout; and * provides a succinct, but thorough review of research on the topics, sequences, and learning trajectories that children can and should learn at each of their first years of life, with specific developmental guidelines that suggest appropriate content for each topic for each year from 2-year-olds to 7-year-olds. This is an indispensable volume for mathematics educators, researchers, curriculum developers, teachers and policymakers, including those who create standards, scope and sequences, and curricula for young children and professional teacher development materials, and students in mathematics education, early childhood trainers, teacher educators, and faculty in mathematics education.

Core Connections CK-12 Foundation

This two-volume monograph obtains fundamental notions and results of the standard differential geometry of smooth (CINFINITY) manifolds, without using differential calculus. Here, the sheaf-theoretic character is emphasised. This has theoretical advantages such as greater perspective, clarity and unification, but also practical benefits ranging from elementary particle physics, via gauge theories and theoretical cosmology ('differential spaces'), to non-linear PDEs (generalised functions). Thus, more general applications, which are no longer 'smooth' in the classical sense, can be coped with. The treatise might also be construed as a new systematic endeavour to confront the ever-increasing notion that the 'world around us is far from being smooth enough'. Audience: This work is intended for postgraduate students and researchers whose work involves differential geometry, global analysis, analysis on manifolds, algebraic topology, sheaf theory, cohomology, functional analysis or abstract harmonic analysis.

Energy Research Abstracts Springer Science & Business Media

In the series of volumes which together will constitute the Handbook of Differential Geometry a rather complete survey of the field of differential geometry is given. The different chapters will both deal with the basic material of differential geometry and with research results (old and recent). All chapters are written by experts in the area and contain a large bibliography.

Uncovering Student Thinking About Mathematics in the Common Core, Grades 6-8 Corwin Press

In recent years there has been enormous activity in the theory of algebraic curves. Many long-standing problems have been solved using the general techniques developed in algebraic geometry during the 1950's and 1960's. Additionally, unexpected and deep connections between algebraic curves and differential equations have been uncovered, and these in turn shed light on other classical problems in curve theory. It seems fair to say that the theory of algebraic curves looks completely different now from how it appeared 15 years ago; in particular, our current state of knowledge represents a significant advance beyond the legacy left by the classical geometers such as Noether, Castelnuovo, Enriques, and Severi. These books give a presentation of one of the central areas of this recent activity; namely, the study of linear series on both a fixed curve (Volume I) and on a variable curve (Volume II). Our goal is to give a comprehensive and self-contained account of the extrinsic geometry of algebraic curves, which in our opinion constitutes the main geometric core of the recent advances in curve theory. Along the way we shall, of course, discuss applications of the theory of linear series to a number of classical topics (e.g., the geometry of the Riemann theta divisor) as well as to some of the current research (e.g., the Kodaira dimension of the moduli space of curves).

Core Connections Springer

This two-volume set on Mathematical Principles of the Internet provides a comprehensive overview of the mathematical principles of Internet engineering. The books do not aim to provide all of the mathematical foundations upon which the Internet is based. Instead, they cover a partial

panorama and the key principles. Volume 1 explores Internet engineering, while the supporting mathematics is covered in Volume 2. The chapters on mathematics complement those on the engineering episodes, and an effort has been made to make this work succinct, yet self-contained. Elements of information theory, algebraic coding theory, cryptography, Internet traffic, dynamics and control of Internet congestion, and queueing theory are discussed. In addition, stochastic networks, graph-theoretic algorithms, application of game theory to the Internet, Internet economics, data mining and knowledge discovery, and quantum computation, communication, and cryptography are also discussed. In order to study the structure and function of the Internet, only a basic knowledge of number theory, abstract algebra, matrices and determinants, graph theory, geometry, analysis, optimization theory, probability theory, and stochastic processes, is required. These mathematical disciplines are defined and developed in the books to the extent that is needed to develop and justify their application to Internet engineering.

Scientific Visualization of Physical Phenomena Carson-Dellosa Publishing

The first volume of The Handbook of Humidity Measurement focuses on the review of devices based on optical principles of measurement such as optical UV, fluorescence hygrometers, optical and fiber-optic sensors of various types. Numerous methods for monitoring the atmosphere have been developed in recent years, based on measuring the absorption of electromagnetic field in different spectral ranges. These methods, covering the optical (FTIR and Lidar techniques), as well as a microwave and THz ranges are discussed in detail in this volume. The role of humidity-sensitive materials in optical and fiber-optic sensors is also detailed. This volume describes the reasons for controlling the humidity, features of water and water vapors, and units used for humidity measurement.

Stem Research for Students Springer Nature

CK-12's Basic Geometry FlexBook, Volumes 1 through 2, is designed to present students with geometric principles in a more graphics-oriented course. Volume 2 includes 6 chapters: Similarity, Right Triangle Trigonometry, Circles, Perimeter and Area, Surface Area and Volume, and Rigid Transformations.

Proceedings of ELM-2014 Volume 1 CRC Press

Formative assessment informs the design of learning opportunities that take students from their existing ideas of science to the scientific ideas and practices that support conceptual understanding. Science Formative Assessment shows K-12 educators how to weave formative assessment into daily instruction. Discover 75 assessment techniques linked to the Next Generation Science Standards and give classroom practices a boost with: Descriptions of how each technique promotes learning Charts linking core concepts at each grade level to scientific practices Implementation guidance, such as required materials and student grouping Modifications for different learning styles Ideas for adapting techniques to other content areas

Building for the Future: Durable, Sustainable, Resilient RILEM Publications

Scientific Visualization of Physical Phenomena reflects the special emphasis of the Computer Graphics Society's Ninth International Conference, held at the MIT in Cambridge, Massachusetts, USA in June, 1991. This volume contains the proceedings of the conference, which, since its foundation in 1983, continues to attract high quality research articles in all aspects of Computer Graphics and its applications. Visualization in science and engineering is rapidly developing into a vital area because of its potential for significantly contributing to the understanding of physical processes and the design automation of man-made systems. With the increasing emphasis in handling complicated physical and artificial processes and systems and with continuing advances in specialized graphics hardware and processing software and algorithms, visualization is expected to play an increasingly dominant role in the foreseeable future.

History of Construction Cultures Volume 1 CRC Press

Progress in Physics has been created for publications on advanced studies in theoretical and experimental physics, including related themes from mathematics.

Mathematical Principles of the Internet, Volume 1 Springer Science & Business Media

History of Construction Cultures Volume 1 contains papers presented at the 7ICCH - Seventh International Congress on Construction History, held at the Lisbon School of Architecture, Portugal, from 12 to 16 July, 2021. The conference has been organized by the Lisbon School of Architecture (FAUL), NOVA School of Social Sciences and Humanities, the Portuguese Society for Construction History Studies and the University of the Azores. The contributions cover the wide interdisciplinary spectrum of Construction History and consist on the most recent advances in theory and practical case studies analysis, following themes such as: - epistemological issues; - building actors; - building materials; - building machines, tools and equipment; - construction processes; - building services and techniques; - structural theory and analysis; - political, social and economic aspects; - knowledge transfer and cultural translation of construction cultures. Furthermore, papers presented at thematic sessions aim at covering important problematics, historical periods and different regions of the globe, opening new directions for Construction History research. We are what we build and how we build; thus, the study of Construction History is now more than ever at the centre of current debates as to the shape of a sustainable future for humankind. Therefore, History of Construction Cultures is a critical and indispensable work to expand our understanding of the ways in which everyday building activities have been perceived and experienced in different cultures, from ancient times to our century and all over the world.

What Babies Know Walter de Gruyter GmbH & Co KG

Electric Generators Handbook, Second Edition: Two-Volume Set supplies state-of-the-art tools necessary to design, validate, and deploy the right power generation technologies to fulfill tomorrow's complex energy needs. The first volume, Synchronous Generators, explores large- and medium-power synchronous generator topologies, steady state, modeling, transients, control, design, and testing. Numerous case studies, worked-out examples, sample results, and illustrations highlight the concepts. Fully revised and updated to reflect the last decade's worth of progress in the field, the Second Edition adds coverage of high-power wind generators with fewer or no PMs, PM-assisted DC-excited salient pole synchronous generators, autonomous synchronous generators' control, line switching parameter identification for isolated grids, synthetic back-to-back load testing with inverter supply, and more. The second volume, Variable Speed Generators, provides extensive coverage of variable speed generators in distributed generation and renewable energy applications around the world. Numerous design and control examples illustrate the exposition. Fully revised and

updated to reflect the last decade's worth of progress in the field, the Second Edition adds material on doubly fed induction generator control under unbalanced voltage sags and nonlinear loads, interior permanent magnet claw-pole-alternator systems, high power factor Vernier PM generators, PM-assisted reluctance synchronous motors/generators for electric hybrid vehicles, and more.

Oxford Studies in Early Modern Philosophy, Volume X Cambridge University Press

Professor Hilary Putnam's most important published work is collected here, together with several new and substantial studies, in two volumes. The first deals with the philosophy of mathematics and of science and the nature of philosophical and scientific enquiry; the second deals with the philosophy of language and mind.

Optical Fiber Sensor Technology Nomad Press

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This book is in the shape of a square. Or is it a rectangle? The pages are 2-dimensional. Or are the pages 3-dimensional? Geometry is all around us! In *Explore Shapes and Angles!* With 25 Great Projects, readers ages 7 to 10 will have fun identifying the shapes and angles in their world. They'll also learn how these shapes and angles are used in different situations and in different jobs, such as construction, engineering, and art. A kid's world is made of shapes and angles—by encouraging readers to become savvy at identifying and using the different shapes, this book serves as the perfect introduction to geometry and a way to build a strong foundation in math skills that will serve them well as they are exposed to increasingly more complicated concepts. Hands-on, design-minded projects, such as designing a tree house, offer opportunities to discover how engineers and designers use shapes and angles to create strong structures. Readers are encouraged to use blocks, bodies, and yoga to mimic geometric shapes and find combinations so strong they'll even hold up heavy weights. Links to online resources, fun facts, cartoon illustrations, and compelling content drive this introduction to basic geometry that will help children begin to establish a spatial relationship with real-world math and make it fun!