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This book is dedicated to Aristid Lindenmayer on the occasion of his 60th birthday on November 17, 1985. Contributions range from mathematics and theoretical computer science to biology. Aristid Lindenmayer introduced language-theoretic models for developmental biology in 1968. Since then the models have been customarily referred to as L systems. Lindenmayer's invention turned out to be one of the most beautiful examples of interdisciplinary science: work in one area (developmental biology) induces most fruitful ideas in

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other areas (theory of formal languages and automata, and formal power series). As evident from the articles and references in this book, the interest in L systems is continuously growing. For newcomers the first contact with L systems usually happens via the most basic class of L systems, namely, DOL systems. Here "0" stands for zero context between developing cells. It has been a major typographical problem that printers are unable to distinguish between 0 (zero) and O (oh). Thus, DOL was almost always printed with "oh" rather than "zero", and also pronounced that way. However, this

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misunderstanding turned out to be very fortunate. The wrong spelling "DOL" of "DOL" could be read in the suggestive way: DO L Indeed, hundreds of researchers have followed this suggestion. Some of them appear as contributors to this book. Of the many who could not contribute, we in particular regret the absence of A. Ehrenfeucht, G. Herman and H.A. Maurer whose influence in the theory of L systems has been most significant.

In this book, how to solve such type equations has been elaborately described. In this book, vector differential calculus is considered, which extends the

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basic concepts of (ordinary) differential calculus, such as, continuity and differentiability to vector functions in a simple and natural way. This book comprises previous question papers problems at appropriate places and also previous GATE questions at the end of each chapter for the

Maintenance is a critical variable in industry to achieve competitiveness. Therefore, correct management of corrective, predictive, and preventive politics in any industry is required.

Maintenance Management considers the main concepts, state of the art, advances, and

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case studies in this topic. This book complements other subdisciplines such as economics, finance, marketing, decision and risk analysis, engineering, etc. The book analyzes real case studies in multiple disciplines. It considers the topics of failure detection and diagnosis, fault trees, and subdisciplines (e.g. FMECA, FMEA, etc.). It is essential to link these topics with finance, scheduling, resources, downtime, etc. to increase productivity, profitability, maintainability, reliability, safety, and availability, and reduce costs and downtime. This book presents important advances in

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mathematics, models, computational techniques, dynamic analysis, etc., which are all employed in maintenance management. Computational techniques, dynamic analysis, probabilistic methods, and mathematical optimization techniques are expertly blended to support the analysis of multicriteria decision-making problems with defined constraints and requirements. The book is ideal for graduate students and professionals in industrial engineering, business administration, industrial organization, operations management, applied

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microeconomics, and the decisions sciences, either studying maintenance or who are required to solve large, specific, and complex maintenance management problems as part of their jobs. The book will also be of interest to researchers from academia.

This fantastic overview of points, lines, angles, planes, solids and space figures is great for middle and high school students. It will help boost math confidence and test scores.

Documents on Latin American
History, 1550-1850

Foundations of Topology

Effortless Bento

Submission by the Royal Soc. to

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the House of Lords Select
Committee on Science and
Technology

Slave Stealers

ACCA - F6 Tax (FA 2009)

Record your encounters with nature in this fantastic, interactive book! Kids can write about and draw the plants and animals they see. They can paste photos, postcards and feathers found on the ground. Plus, there's great info to learn about nature.

"A quick-review study guide for the AP exam"--Cover.

Colonial Lives offers a rich variety of archival documents in translation which bring to life the political and economic workings of

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Latin American colonies during 300 years of Spanish rule, as well as the day-to-day lives of the colonies' inhabitants. Intended to complement textbooks such as Burkholder and Johnson's Colonial Latin America by presenting students with primary sources -- the raw materials on which the facts in other textbooks are based -- this reader strives to illustrate the impact of issues such as race, class, gender, sexuality, culture and religion in the daily lives of both natives and colonists alike. The concerns, struggles and perspectives of the inhabitants of colonial Latin America are reflected in transcripts of civil and criminal court cases,

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administrative reviews, ecclesiastical investigations, Inquisition trials, wills, and letters the editors have included in this reader. Each document is prefaced by an introduction that places it in the social and political context of the period. The book also includes a glossary of terms and lists of suggested further readings. Most uniquely, the book offers helpful thematic cross-referencing sections and an index of themes which allow instructors to easily adapt the book to their courses and to assign readings according to the criteria of their own specific curriculums. Contributed articles.

Wang Wei, Li Po, Tu Fu, Li Ho, Li

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Shang-yin

Evaluating Transportation

Alternatives

Graffiti Alphabets from A to Z

Queen City of Canada

Gas Dynamics

A Comprehensive Grammar

Now the youngest fans can learn their ABC's with Canada's favourite game! Two teams of Canadian animals, the Woodland Wapitis and the Forest Flyers, face off in an action-packed ABC hockey game. You'll be cheering for your favourite players as they illustrate the alphabet and the game, from A is for Arena to Z is for Zamboni machine! Find more fun ways to learn by identifying the odd versus even jersey numbers. This oversize board book is perfect for little learners

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-- and hockey fans of all ages!

Provides definitions and study tips for over sixteen hundred frequently used SAT words and includes strategies for memorizing the words and answering questions on the test.

This volume of original stories is all for furry feline friends. A unique collection of fantastical cat tales.

These fun faux matchsticks are printed with prompts and talking points that will get loved ones laughing, connecting, and playing together. A perfect way to liven up family gatherings and road trips, this colorful box of joy makes an extra-sweet gift for Mother's Day or Father's Day.

Spanish, Grade 3

Alphabeatz

Woody Biomass for Bioenergy

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Production

The Book of L

A Little Long Time

Move! Big Book

This interactive book featuring 10 sounds is perfect for fans of the hit CBeebies series, Bing. Bing and Flop are on their way to the park when they hear the jingle of Gilly's ice cream van. Bing really wants a delicious carrot ice cream, but they need to find Gilly first! Join Bing as he follows the sound of Gilly's van and discovers lots of other noises along the way. Bingsters will love pressing the sound buttons and joining in the fun. Noisy books... they're a Bing thing!

This book reviews empirical and theoretical research on sustainable

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development in the context of leisure management for communities.

Although leading research centers are pursuing interdisciplinary research on leisure in the context of sustainable development, there are still few papers that holistically address the current challenges in this area. In addition, demographic changes have made the promotion of a healthy lifestyle essential. Doing so requires responsible behavior on the part of various stakeholders in this market. This book fills an important gap in the literature and gathers contributions from an interdisciplinary and international team of authors, whose fields of expertise include human geography, management, intersections of

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sustainability and leisure, behavioral psychology and tourism.

Make learning lots of fun with this book packed with puzzles to help children develop.

Topology is a branch of pure mathematics that deals with the abstract relationships found in geometry and analysis. Written with the mature student in mind, Foundations of Topology, Second Edition, provides a user-friendly, clear, and concise introduction to this fascinating area of mathematics. The author introduces topics that are well-motivated with thorough proofs, that make them easy to follow. Historical comments are dispersed throughout the text, and exercises, varying in degree of difficulty, are

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**found at the end of each chapter.
Foundations of Topology is an
excellent text for teaching students
how to develop the skills for writing
clear and precise proofs.**

Hockey ABC

Math Fundamentals 3

Catfantastic

**50 Ways to Play, Laugh, and
Connect**

**Selections from the Works of John
Locke with a General Introduction
and Commentary**

Handbook of Sustainable

Development and Leisure Services

Graffiti writing was born in the streets of Philadelphia in the late 1960s. But it was in New York in the early 1970s that it became a full fledged urban art, gradually taking

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over the landscape of the city, from its walls to its subway cars. This is a writing manual, a detailed examination of how graffiti writers have developed the twenty-six letters of the alphabet. It includes the contribution of ten of the international scene's most talented creators answer Woshe's questions about matters that include their practice, their relationship with letters and their backgrounds. It includes a map of New York with the sites where the most important graffiti are located.

Five great poets of the T'ang dynasty (eighth and ninth centuries A.D.) are represented in this collection: Wang Wei, Li Po, Tu

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Fu, Li Ho, and Li Shang-Yin. Each poet is introduced by the translator and represented by a selection that spans the poet's development and career. These constitute some of the greatest lyric poems ever written. John Yolton seeks to allow readers of Locke to have accessible in one volume sections from a wide range of Locke's books, structured so that some of the interconnections of his thought can be seen and traced. Although Locke did not write from a system of philosophy, he did have in mind an overall division of human knowledge. The readings begin with Locke's essay on Hermeneutics and the portions of his Essay Concerning Human

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Understanding on how to read a text. The rest of the selections are organized around Locke's division of human knowledge into natural science, ethics, and the theory of signs. Yolton's introduction and commentary explicate Locke's doctrines and provide the reader with the general background knowledge of other seventeenth-century writers and their works necessary to an understanding of Locke and his time.

Randiana, or Excitable Tales is an anonymously written erotic novel originally published by William Lazenby in 1884. The book depicts a variety of sexual activities, including incest, defloration and

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lesbianism.

True Accounts of Slave Rescues:

Then and Now

Blink Once

Weird But True 9

Math 1 B

Staten Island Noir

Korean

An accessible explanation of climate change summarizes its science while sharing insights into its implications for the future, answering key questions from the role of fossil fuels to the economic costs of reducing carbon emissions.

Intended as the primary text for introductory courses on

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medical anthropology, this book integrates human biological data relevant to health and disease with both evolutionary theory and the social environments that more often than not produce major challenges to health and survival.

Because students who take this fastest-growing anthropology course come from a variety of disciplines (anthropology, biology, especially pre-med students, and health sciences, especially), the text does not assume anything beyond a basic high-school level

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familiarity with human biology and anthropology. The authors first present basic biological information on a particular health condition and then expand their analysis to include evolutionary, historical, and cross-cultural perspectives. Among the topics covered are nutrition, infectious disease, stress, reproductive health, behavioral disease, aging, race/racism and health, mental health, and healers and healing. Follow two abolitionists who fought one of the most shockingly persistent evils

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of the world: human trafficking and sexual exploitation of slaves. Told in alternating chapters from perspectives spanning more than a century apart, read the riveting 19th century first-hand account of Harriet Jacobs and the modern-day eyewitness account of Timothy Ballard. Harriet Jacobs was an African-American, born into slavery in North Carolina in 1813. She thwarted the sexual advances of her master for years until she escaped and hid in the attic crawl space of her grandmother's house

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for seven years before escaping north to freedom. She published an autobiography of her life, Incidents in the Life of a Slave Girl, which was one of the first open discussions about sexual abuse endured by slave women. She was an active abolitionist, associated with Frederick Douglass, and, during the Civil War, used her celebrity to raise money for black refugees. After the war, she worked to improve the conditions of newly-freed slaves. As a former Special Agent for the Department of

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Homeland Security who has seen the horrors and carnage of war, Timothy Ballard founded a modern-day "underground railroad" which has rescued hundreds of children from being fully enslaved, abused, or trafficked in third-world countries. His story includes the rescue and his eventual adoption of two young siblings--Mia and Marky, who were born in Haiti. Section 2 features the lives of five abolitionists, a mix of heroes from past to present, who call us to action and teach us life lessons based

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**on their own experiences:
Harriet Tubman--The
"Conductor"; Abraham
Lincoln--the "Great
Emancipator"; Little Mia--the
sister who saved her little
brother; Guesno Mardy--the
Haitian father who lost his
son to slave traders; and
Harriet Jacobs--a teacher for
us all.**

**Learn about how different
animals move.**

Nature Log Kids

Medical Anthropology

The Locke Reader

Spark Family Fun

Guar in India

Infoquake

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Offers a collection of true facts about animals, food, science, pop culture, outer space, geography, and weather.

Brighter Child(R) Spanish for Grade 3 helps students master beginning foreign language skills. Practice is included for learning action words, greetings, food words, and more. School success starts here!

Workbooks in the popular Brighter Child(R) series are packed with plenty of fun activities that teach a variety of essential school skills. Students will find help for math, English and grammar, handwriting, and other important subject

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areas. Each book contains full-color practice pages, easy-to-follow instructions, and an answer key.

Math 1 B

"When They Are Done with Us" by Patricia Smith was selected for inclusion in *The Best American Mystery Stories 2013*, edited by Otto Penzler and Lisa Scottoline. Brand-new stories by: Bill Loehfelm, S.J. Rozan, Ted Anthony, Todd Craig, Ashley Dawson, Bruce DeSilva, Louisa Ermelino, Binnie Kirshenbaum, Michael Largo, Mike Penncavage, Linda Nieves-Powell, Patricia Smith, Shay Youngblood, and Edward Joyce. "Staten Island, the last of New York

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City's five boroughs to enter Akashic's noir series, severs as the setting for this exceptionally strong anthology." --Publishers Weekly (starred review)

"Smith's introduction is a revelation. She knows the Island I have in my head. It was like finding a literary sibling, separated since birth." --Washington Independent

"It's not enough for noir to be dark. It's got to be bad-ass. Its words, its decaying and horrible beauty have got to hit you like a spiked heel dragged from your guts to your gullet. It's got to twist the hot knife of passion in that soft space

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right below your belly while pumping bullets into your heart. It's got to make you bleed. Akashic Books' latest in their noir series, Staten Island Noir features some dusky and drop-dead gorgeous gems (emphasis on the dead) that do just that." --Grub Street Daily "Staten Island is the forgotten borough, lacking a subway system, left out of Jay-Z's songs, known for organized crime, bad accents, fake tans, and garbage--which makes it a rich setting for Akashic's noir series...In a thrilling tilt-a-whirl of crime and drama, editor Patricia Smith has carefully chosen writers concerned with the true

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nature of the small suburban borough." --Electric Literature's "The Outlet"
"Each story in this enjoyable collection has its own charms, if the words 'enjoyable' or 'charms' can be used with these dark tales, and each can stand-alone. However, if, like me, you had always looked at Staten Island as banal and benign, by the book's end your ideas will be forever changed."

--ReviewingTheEvidence.com
Patricia Smith, editor of Staten Island Noir, has won the Robert L. Fish Memorial Award for her short story included in the anthology, "When They Are Done with

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Us."

*Severe Storms, Deadly Heat
Waves, Relentless Drought,
Rising Seas, and the Weather
of the Future*

100 Glimpses of Toronto

Global Weirdness

*Remote Sensing and Digital
Mapping*

*Intersection and Interchange
Design*

Colonial Lives

West is a high school senior who has everything going for him until an accident leaves him paralyzed. Strapped down in his hospital bed, slipping in and out of consciousness, West

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is terrified and alone.
Until he meets Olivia.
She's the girl next door-
sort of. A patient in
the room next to his,
only Olivia can tell
what West is thinking,
and only Olivia seems to
know that the terrible
dreams he's been having
are not just a result of
his medication. Yet as
West comes to rely on
Olivia-to love her, even-
certain questions pull
at him: Why has Olivia
been in the hospital for
so long? And what does
it mean that she is at

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the center of his nightmares? But the biggest question of all comes when West begins to recover and learns that the mysterious girl he's fallen in love with has a secret he could never have seen coming.

Korean: A Comprehensive Grammar is a reference to Korean grammar, and presents a thorough overview of the language, concentrating on the real patterns of use in modern Korean. The book moves from the alphabet and

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pronunciation through morphology and word classes to a detailed analysis of sentence structures and semantic features such as aspect, tense, speech styles and negation. Updated and revised, this new edition includes lively descriptions of Korean grammar, taking into account the latest research in Korean linguistics. More lower-frequency grammar patterns have been added, and extra examples have been

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included throughout the text. The unrivalled depth and range of this updated edition of Korean: A Comprehensive Grammar makes it an essential reference source on the Korean language.

How far should you go to make a profit?

Infoquake, the debut novel by David Louis Edelman, takes speculative fiction into alien territory: the corporate boardroom of the far future. It's a stunning trip through

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the trenches of a technological war fought with product demos, press releases, and sales pitches. Natch is a master of bio/logics, the programming of the human body. He's clawed and scraped his way to the top of the bio/logics market using little more than his wits. Now his sudden notoriety has brought him to the attention of Margaret Surina, the owner of a mysterious new technology called MultiReal. Only by

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enlisting Natch's devious mind can Margaret keep MultiReal out of the hands of High Executive Len Borda and his ruthless armies. To fend off the intricate net of enemies closing in around him, Natch and his apprentices must accomplish the impossible. They must understand this strange new technology, run through the product development cycle, and prepare MultiReal for release to the public—all in three

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days. Meanwhile, hanging over everything is the specter of the infoquake, a lethal burst of energy that's disrupting the bio/logic networks and threatening to send the world crashing back into the Dark Ages. With Infoquake, David Louis Edelman has created a fully detailed world that's both as imaginative as Dune and as real as today's Wall Street Journal. Woody biomass is most widely used for energy

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production. In the United States, roughly 2% of the energy consumed annually is generated from wood and wood-derived fuels.

Woody biomass needs to be preprocessed and pretreated before it is used for energy production.

Preprocessing and pretreatments improve the physical, chemical, and rheological properties, making them more suitable for feeding, handling, storage transportation,

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and conversion. Mechanical preprocessing technologies such as size reduction and densification, help improve particle size distribution and density. Thermal pretreatment can reduce grinding energy and torrefied ground biomass has improved sphericity, particle surface area, and particle size distribution. This book focuses on several specific topics, such as understanding how forest biomass for biofuels

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impacts greenhouse gas emissions; mechanical preprocessing, such as densification of forest residue biomass, to improve physical properties such as size, shape, and density; the impact of thermal pretreatment temperatures on woody biomass chemical composition, physical properties, and microstructure for thermochemical conversions such as pyrolysis and gasification; the

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grindability of torrefied pellets; use of wood for gasification and as a filter for tar removal; and understanding the pyrolysis kinetics of biomass using thermogravimetric analyzers.

Differential Equations
and Vector Calculus

A Biocultural Approach

Playtime Puzzles

SAT Power Vocab

ASAP World History: A

Quick-Review Study Guide
for the AP Exam

300 Japanese Box Lunch

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