

Maths Paper N1 2014

The Algorithmic Foundations of Differential
PrivacyHandbook of Group ActionsMathematics for
Computer ScienceSéminaire de Probabilités
XLVIEuclidean Geometry in Mathematical
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Computer Programming, Volume 4AAPC Question
Bank and Sample Papers in Mathematics for Class 12 -
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The Algorithmic Foundations of Differential Privacy

An authorised reissue of the long out of print classic textbook, *Advanced Calculus* by the late Dr Lynn Loomis and Dr Shlomo Sternberg both of Harvard University has been a revered but hard to find textbook for the advanced calculus course for decades. This book is based on an honors course in advanced calculus that the authors gave in the 1960's. The foundational material, presented in the unstarred sections of Chapters 1 through 11, was normally covered, but different applications of this basic material were stressed from year to year, and the book therefore contains more material than was covered in any one year. It can accordingly be used (with omissions) as a text for a year's course in advanced calculus, or as a text for a three-semester introduction to analysis. The prerequisites are a good grounding in the calculus of one variable from a mathematically rigorous point of view, together with some acquaintance with linear algebra. The reader should be familiar with limit and continuity type arguments and have a certain amount of mathematical sophistication. As possible introductory texts, we mention *Differential and Integral Calculus* by R Courant, *Calculus* by T Apostol, *Calculus* by M Spivak, and *Pure Mathematics* by G Hardy. The reader

should also have some experience with partial derivatives. In overall plan the book divides roughly into a first half which develops the calculus (principally the differential calculus) in the setting of normed vector spaces, and a second half which deals with the calculus of differentiable manifolds.

Handbook of Group Actions

The ARML (American Regions Math League) Power Contest is truly a unique competition in which a team of students is judged on its ability to discover a pattern, express the pattern in precise mathematical language, and provide a logical proof of its conjectures. Just as a team of students can be self-directed to solve each problem set, a teacher, math team coach, or math circle leader could take these ideas and questions and lead students into problem solving and mathematical discovery. This book contains thirty-seven interesting and engaging problem sets from the ARML Power Contests from 1994 to 2013. They are generally extensions of the high school mathematics classroom and often connect two remote areas of mathematics. Additionally, they provide meaningful problem situations for both the novice and the veteran mathlete. Thomas Kilkelly has been a mathematics teacher for forty-three years. During that time he has been awarded several teaching honors and has coached many math teams to state and national championships. He has always been an advocate for more discovery, integration, and problem solving in the mathematics classroom. In the interest of

fostering a greater awareness and appreciation of mathematics and its connections to other disciplines and everyday life, MSRI and the AMS are publishing books in the Mathematical Circles Library series as a service to young people, their parents and teachers, and the mathematics profession. Titles in this series are co-published with the Mathematical Sciences Research Institute (MSRI).

Mathematics for Computer Science

Now in its second edition, this book focuses on practical algorithms for mining data from even the largest datasets.

Séminaire de Probabilités XLVI

Intermediate First Year MATHS I B Test papers Issued by Board of Intermediate Education w.e.f 2013-2014.

Euclidean Geometry in Mathematical Olympiads

Question Bank and Sample Papers in Mathematics for Class XII by Prof. M.L. Aggarwal has been written according to the changed style of question paper relevant for 2015 Board Examinations. The Salient Features of the book are: Latest Sample Papers issued by the CBSE for 2015 Examinations-with solutions Chapterwise Basic Concepts and Important Results Chapterwise Assignments for Practice (1 mark, 4 marks, 6 marks) Chapterwise Questions from Previous Years' Board Papers Ten Sample Papers for Practice

(4 Solved & 6 Unsolved) CBSE Examination Paper
2014 (Fully Solved) (Delhi and Outside Delhi)

Reports from Commissioners

The Art of Computer Programming, Volume 4A

APC Question Bank and Sample Papers in Mathematics for Class 12 - Arya Publishing Company

Providing a broad overview of the current state of the art in probability theory and its applications, and featuring an article coauthored by Mark Yor, this volume contains contributions on branching processes, Lévy processes, random walks and martingales and their connection with, among other topics, rough paths, semi-groups, heat kernel asymptotics and mathematical finance.

Achieving Impact in Research

This volume contains the proceedings of the Ring Theory Session in honor of T. Y. Lam's 70th birthday, at the 31st Ohio State-Denison Mathematics Conference, held from May 25-27, 2012, at The Ohio State University, Columbus, Ohio. Included are expository articles and research papers covering topics such as cyclically presented modules, Eggert's

conjecture, the Mittag-Leffler conditions, clean rings, McCoy rings, QF rings, projective and injective modules, Baer modules, and Leavitt path algebras. Graduate students and researchers in many areas of algebra will find this volume valuable as the papers point out many directions for future work; in particular, several articles contain explicit lists of open questions.

Mathematics N1

The "Red Book" presents a background to conventional foundation analysis and design. The text is not intended to replace the much more comprehensive 'standard' textbooks, but rather to support and augment these in a few important areas, supplying methods applicable to practical cases handled daily by practising engineers and providing the basic soil mechanics background to those methods. It concentrates on the static design for stationary foundation conditions. Although the topic is far from exhaustively treated, it does intend to present most of the basic material needed for a practising engineer involved in routine geotechnical design, as well as provide the tools for an engineering student to approach and solve common geotechnical design problems.

Automata, Languages, and Programming

'What a super book! It is absolutely packed with practical ideas and activities to help you love maths, and love teaching and/or learning it. It certainly helps

to develop an enthusiasm for a subject most adults tend to say "I'm no good at" - Early Years Educator 'A wonderful book, packed with practical ideas and activities to help all students love maths.' - Jo Boaler, Professor of Mathematics Education, Stanford University

Fostering an enthusiasm for mathematics in young children is a vital part of supporting their mathematical development. Underpinned by subject and pedagogical knowledge, case studies and research-based perspectives, the authors provide clear guidance on how to support young children's learning and understanding in an effective and engaging way. Contemporary approaches to developing essential mathematical learning for young children are explored, including: play, practical activities and talk for mathematics outdoor learning understanding pattern counting, calculation and place value measures and shape problem solving and representing mathematics assessment working with parents. Written for both trainees and practitioners working with children aged 0 to 8 years, including those studying for Early Years and Early Childhood degrees and those on Primary PGCE and Primary Education courses, this book offers mathematical subject knowledge and teaching ideas in one volume. Helen Taylor is Course Leader of PGCE Primary Part-time Mathematics at Canterbury Christ Church University. Andrew Harris is Course Leader of PGCE Modular Mathematics at Canterbury Christ Church University.

Mathematical Reviews

Some of the key benefits of studying from Oswaal Question Banks are:

- Chapter-wise/ Topic-wise presentation for systematic and methodical study
- Strictly based on the latest CBSE Curriculum issued for Academic Year 2020-2021, following the latest NCERT Textbook and Exemplar
- Previous Years' Question Papers with Marking Scheme & Toppers' Answers for exam-oriented study
- Remembering, Understanding, Application, Analysing & Evaluation and Creation Based Question based on Bloom's Taxonomy for cognitive skills development
- Latest Typologies of Questions developed by Oswaal Editorial Board included
- Mind Maps in each chapter for making learning simple
- 'Most likely Questions' generated by Oswaal Editorial Board with 100+ years of teaching experience
- Suggested videos at the end of each chapter for a Hybrid Learning Experience

IMPORTANT FEATURES OF THE BOOK: Self-Study Mode

- Chapter wise/Topic wise Previous Years' Board Examination Questions to facilitate focused study
- Latest Board solved paper along with Marking Scheme and Handwritten Topper's Answers for practice Exam Preparatory Material
- Answers of CBSE Marking Scheme up to March 2019 Exam with detailed explanations to score full marks in exams
- Answering Tips & Commonly Made Errors for clearer thinking

All-In-One

- Revision notes, Mind Maps & Grammar charts facilitate quick revision of chapters
- NCERT & Oswaal 150+ concept videos for digital learning

Serials Holdings

Proofs from THE BOOK

The problem of privacy-preserving data analysis has a long history spanning multiple disciplines. As electronic data about individuals becomes increasingly detailed, and as technology enables ever more powerful collection and curation of these data, the need increases for a robust, meaningful, and mathematically rigorous definition of privacy, together with a computationally rich class of algorithms that satisfy this definition. Differential Privacy is such a definition. The Algorithmic Foundations of Differential Privacy starts out by motivating and discussing the meaning of differential privacy, and proceeds to explore the fundamental techniques for achieving differential privacy, and the application of these techniques in creative combinations, using the query-release problem as an ongoing example. A key point is that, by rethinking the computational goal, one can often obtain far better results than would be achieved by methodically replacing each step of a non-private computation with a differentially private implementation. Despite some powerful computational results, there are still fundamental limitations. Virtually all the algorithms discussed herein maintain differential privacy against adversaries of arbitrary computational power -- certain algorithms are computationally intensive, others are efficient. Computational complexity for the adversary and the algorithm are both discussed. The monograph then turns from fundamentals to applications other than query-release, discussing differentially private methods for mechanism design

and machine learning. The vast majority of the literature on differentially private algorithms considers a single, static, database that is subject to many analyses. Differential privacy in other models, including distributed databases and computations on data streams, is discussed. The Algorithmic Foundations of Differential Privacy is meant as a thorough introduction to the problems and techniques of differential privacy, and is an invaluable reference for anyone with an interest in the topic.

Integers

Developed from celebrated Harvard statistics lectures, Introduction to Probability provides essential language and tools for understanding statistics, randomness, and uncertainty. The book explores a wide variety of applications and examples, ranging from coincidences and paradoxes to Google PageRank and Markov chain Monte Carlo (MCMC). Additional

Advanced Calculus

Abstracts of Papers Presented to the American Mathematical Society

Finite Element Procedures

This thorough and practical guide to teaching mathematics for grades K-6 is a perfect combination of a math methods text and resource book for pre-

service and in-service elementary school teachers. The text's organization uses the Common Core State Standards as its overarching framework. Over 275 lesson activities reinforce the standards and include many examples of cooperative learning strategies, take-home activities, and activities using technology such as apps. Content chapters first develop a math topic, and then extend the same topic, providing foundational material that can be used throughout the elementary grades. Other useful features highlight misconceptions often held about math operations and concepts, ways to be inclusive of various cultural backgrounds, and key technology resources. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

NDA/ NA 14 years Mathematics Topic-wise Solved Papers (2006 - 2019)

INTERMEDIATE I YEAR MATHS I B (English Medium) TEST PAPERS:

This unique addition to the Success in Research series addresses the importance of understanding and achieving impact for the purposes of gaining research funding and reporting achieved impact for the Research Excellence Framework (REF). The book includes contributions from researchers and researcher developers who feel that impact is ill-defined and poorly understood despite its prevalence in policy documents, websites and institutional

activities. This succinct and cohesive text draws on the expert contributors' collective research practice, knowledge and experience. Using a variety of examples, boxed activities and highlighted reflection points, this practical guide covers the following key areas: The meaning of impact in relation to research How the Impact Agenda fits with attitudes and ethics that motivate research The different characterisations of research impact and when impact is apparent How impact can be planned into proposals, evaluated and evidenced The skills needed to be an impactful researcher How impact can be supported through Knowledge Exchange and effective partnerships This is a must-have guide for anyone seeking to understand and achieve impact in their own research. The Success in Research series, from Cindy Becker and Pam Denicolo, provides short, authoritative and accessible guides on key areas of professional and research development. Avoiding jargon and cutting to the chase of what you really need to know, these practical and supportive books cover a range of areas from presenting research to achieving impact, and from publishing journal articles to developing proposals. They are essential reading for any student or researcher interested in developing their skills and broadening their professional and methodological knowledge in an academic context.

Guiding Children's Learning of Mathematics

Introduction to Applied Linear Algebra

This book covers elementary discrete mathematics for computer science and engineering. It emphasizes mathematical definitions and proofs as well as applicable methods. Topics include formal logic notation, proof methods; induction, well-ordering; sets, relations; elementary graph theory; integer congruences; asymptotic notation and growth of functions; permutations and combinations, counting principles; discrete probability. Further selected topics may also be covered, such as recursive definition and structural induction; state machines and invariants; recurrences; generating functions.

Introduction to Communication Systems

The Art of Computer Programming, Volume 4A: Combinatorial Algorithms, Part 1 Knuth's multivolume analysis of algorithms is widely recognized as the definitive description of classical computer science. The first three volumes of this work have long comprised a unique and invaluable resource in programming theory and practice. Scientists have marveled at the beauty and elegance of Knuth's analysis, while practicing programmers have successfully applied his "cookbook" solutions to their day-to-day problems. The level of these first three volumes has remained so high, and they have displayed so wide and deep a familiarity with the art of computer programming, that a sufficient "review" of future volumes could almost be: "Knuth, Volume n has been published." —Data Processing Digest Knuth, Volume n has been published, where $n = 4A$. In this long-awaited new volume, the old master turns his

attention to some of his favorite topics in broadword computation and combinatorial generation (exhaustively listing fundamental combinatorial objects, such as permutations, partitions, and trees), as well as his more recent interests, such as binary decision diagrams. The hallmark qualities that distinguish his previous volumes are manifest here anew: detailed coverage of the basics, illustrated with well-chosen examples; occasional forays into more esoteric topics and problems at the frontiers of research; impeccable writing peppered with occasional bits of humor; extensive collections of exercises, all with solutions or helpful hints; a careful attention to history; implementations of many of the algorithms in his classic step-by-step form. There is an amazing amount of information on each page. Knuth has obviously thought long and hard about which topics and results are most central and important, and then, what are the most intuitive and succinct ways of presenting that material. Since the areas that he covers in this volume have exploded since he first envisioned writing about them, it is wonderful how he has managed to provide such thorough treatment in so few pages. —Frank Ruskey, Department of Computer Science, University of Victoria

The book is Volume 4A, because Volume 4 has itself become a multivolume undertaking. Combinatorial searching is a rich and important topic, and Knuth has too much to say about it that is new, interesting, and useful to fit into a single volume, or two, or maybe even three. This book alone includes approximately 1500 exercises, with answers for self-study, plus hundreds of useful facts that cannot be found in any other publication. Volume 4A surely

belongs beside the first three volumes of this classic work in every serious programmer's library. Finally, after a wait of more than thirty-five years, the first part of Volume 4 is at last ready for publication. Check out the boxed set that brings together Volumes 1 - 4A in one elegant case, and offers the purchaser a \$50 discount off the price of buying the four volumes individually. The Art of Computer Programming, Volumes 1-4A Boxed Set, 3/e ISBN: 0321751043

Ring Theory and Its Applications

High-dimensional probability offers insight into the behavior of random vectors, random matrices, random subspaces, and objects used to quantify uncertainty in high dimensions. Drawing on ideas from probability, analysis, and geometry, it lends itself to applications in mathematics, statistics, theoretical computer science, signal processing, optimization, and more. It is the first to integrate theory, key tools, and modern applications of high-dimensional probability. Concentration inequalities form the core, and it covers both classical results such as Hoeffding's and Chernoff's inequalities and modern developments such as the matrix Bernstein's inequality. It then introduces the powerful methods based on stochastic processes, including such tools as Slepian's, Sudakov's, and Dudley's inequalities, as well as generic chaining and bounds based on VC dimension. A broad range of illustrations is embedded throughout, including classical and modern results for covariance estimation, clustering, networks, semidefinite programming, coding, dimension

reduction, matrix completion, machine learning, compressed sensing, and sparse regression.

Oswaal CBSE Unsolved Papers Chapterwise & Topicwise Class 12 Mathematics (For March 2020 Exam)

Teaching Mathematics at Secondary Level

Basics of Foundation Design

This book constitutes the refereed proceedings of the 14th International Scandinavian Symposium and Workshops on Algorithm Theory, SWAT 2014, held in Copenhagen, Denmark, in July 2014. The 33 papers were carefully reviewed and selected from a total of 134 submissions. The papers present original research and cover a wide range of topics in the field of design and analysis of algorithms and data structures including but not limited to approximation algorithms, parameterized algorithms, computational biology, computational geometry and topology, distributed algorithms, external-memory algorithms, exponential algorithms, graph algorithms, online algorithms, optimization algorithms, randomized algorithms, streaming algorithms, string algorithms, sublinear algorithms and algorithmic game theory.

100 Commonly Asked Questions in Math

Class

This two-volume set of LNCS 8572 and LNCS 8573 constitutes the refereed proceedings of the 41st International Colloquium on Automata, Languages and Programming, ICALP 2014, held in Copenhagen, Denmark, in July 2014. The total of 136 revised full papers presented together with 4 invited talks were carefully reviewed and selected from 484 submissions. The papers are organized in three tracks focussing on Algorithms, Complexity, and Games, Logic, Semantics, Automata, and Theory of Programming, Foundations of Networked Computation.

Journal of Numerical Mathematics

The ARML Power Contest

This is a challenging problem-solving book in Euclidean geometry, assuming nothing of the reader other than a good deal of courage. Topics covered included cyclic quadrilaterals, power of a point, homothety, triangle centers; along the way the reader will meet such classical gems as the nine-point circle, the Simson line, the symmedian and the mixtilinear incircle, as well as the theorems of Euler, Ceva, Menelaus, and Pascal. Another part is dedicated to the use of complex numbers and barycentric coordinates, granting the reader both a traditional and computational viewpoint of the material. The final part consists of some more advanced topics, such as

inversion in the plane, the cross ratio and projective transformations, and the theory of the complete quadrilateral. The exposition is friendly and relaxed, and accompanied by over 300 beautifully drawn figures. The emphasis of this book is placed squarely on the problems. Each chapter contains carefully chosen worked examples, which explain not only the solutions to the problems but also describe in close detail how one would invent the solution to begin with. The text contains a selection of 300 practice problems of varying difficulty from contests around the world, with extensive hints and selected solutions. This book is especially suitable for students preparing for national or international mathematical olympiads, or for teachers looking for a text for an honor class.

Introduction to Probability

A groundbreaking introduction to vectors, matrices, and least squares for engineering applications, offering a wealth of practical examples.

Oswaal CBSE Question Bank Chapterwise & Topicwise Solved Papers Class 12, Mathematics (For 2021 Exam)

CBSE always believes in Global Trends of Educational Transformation. The CBSE curriculum gets its lead from National Curriculum Framework – 2005 and Right to Free and Compulsory Education Act – 2009. The aim of CBSE Curriculum is not just to let learners obtain basic knowledge but to make them life-long learners. CBSE always updates and reviews the

syllabus to make it more relevant with educational transformation and in last few years the chapters and topics which CBSE has added are very interesting and increase practical knowledge. The latest updation of CBSE curriculum happened on 29th March 2019 applicable for the Academic Year 2019-2020. Oswaal Unsolved Papers are designed as per the latest curriculum and emphasize on nurturing individuality thus enhancing one's innate potentials which help in increasing the self-study mode for students. Features like Chapter wise and Topic wise presentation strengthen knowledge and attitude related to the subject. Oswaal Unsolved Papers are designed in such a way that students can set their own goals and can improve their problem solving and thinking skills. The Unsolved Questions format facilitates practice which in term will lead to better understanding of concepts. The journey of this book is never ending as it is reviewed every year. It is thoroughly updated as per the latest guidelines of the CBSE Board thereby strictly following the latest syllabus and pattern of the Board. It contains more than sufficient questions which help students in practicing and completing the syllabus. Questions incorporated in this encompass all the 'Typologies' mentioned by CBSE namely Remembering, Understanding, Applying, Analysing & Evaluating and Creation. Solutions for these can be taken from Oswaal Solved Papers available in the market. Practically, this book provides students everything they need to learn and excel. Some of the key Highlights of Oswaal Unsolved Papers are:

- Strictly based on the latest CBSE Curriculum issued on 29th March 2019 for Academic Year 2019-2020
- Previous Years' Board Unsolved Questions for practice

- Handwritten Toppers' Answers • All Typology of Questions including Objective Type • 'Most Likely Questions' generated by Oswaal Editorial Board • Suggested videos at the end of each chapter for a Hybrid Learning Experience

Learning and Teaching Mathematics 0-8

100 ways to get students hooked on math! That one question got you stumped? Or maybe you have the answer, but it's not all that compelling. Al Posamentier and his coauthors to the rescue with this handy reference containing fun answers to students' 100 most frequently asked math questions. Even if you already have the answers, Al's explanations are certain to keep kids hooked. The big benefits? You'll discover high-interest ways to Teach to the Common Core's math content standards Promote inquiry and process in mathematical thinking Build procedural skills and conceptual understanding Encourage flexibility in problem solving Emphasize efficient test-taking strategies

Random Graphs

Collection of selected, peer reviewed papers from the 2014 International Conference on Advances in Materials Science and Information Technologies in Industry (AMSITI 2014), January 11-12, 2014, Xi'an, China. Volume is indexed by Thomson Reuters CPCI-S (WoS). The 1030 papers are grouped as follows: Chapter 1: Materials Science and Processing Technologies; Chapter 2: Information Technologies

and Information Processing Algorithms; Chapter 3:
Applied Sciences and Engineering Researches

The Art of Insight in Science and Engineering

According to the great mathematician Paul Erdős, God maintains perfect mathematical proofs in The Book. This book presents the authors candidates for such "perfect proofs," those which contain brilliant ideas, clever connections, and wonderful observations, bringing new insight and surprising perspectives to problems from number theory, geometry, analysis, combinatorics, and graph theory. As a result, this book will be fun reading for anyone with an interest in mathematics.

Algorithm Theory -- SWAT 2014

Teaching Mathematics is nothing less than a mathematical manifesto. Arising in response to a limited National Curriculum, and engaged with secondary schooling for those aged 11– 14 (Key Stage 3) in particular, this handbook for teachers will help them broaden and enrich their students' mathematical education. It avoids specifying how to teach, and focuses instead on the central principles and concepts that need to be borne in mind by all teachers and textbook authors—but which are little appreciated in the UK at present. This study is aimed at anyone who would like to think more deeply about the discipline of 'elementary mathematics', in England and Wales and anywhere else. By analysing

and supplementing the current curriculum, Teaching Mathematics provides food for thought for all those involved in school mathematics, whether as aspiring teachers or as experienced professionals. It challenges us all to reflect upon what it is that makes secondary school mathematics educationally, culturally, and socially important.

Mining of Massive Datasets

In this book, Sanjoy Mahajan shows us that the way to master complexity is through insight rather than precision. Precision can overwhelm us with information, whereas insight connects seemingly disparate pieces of information into a simple picture. Unlike computers, humans depend on insight. Based on the author's fifteen years of teaching at MIT, Cambridge University, and Olin College, *The Art of Insight in Science and Engineering* shows us how to build insight and find understanding, giving readers tools to help them solve any problem in science and engineering. To master complexity, we can organize it or discard it. *The Art of Insight in Science and Engineering* first teaches the tools for organizing complexity, then distinguishes the two paths for discarding complexity: with and without loss of information. Questions and problems throughout the text help readers master and apply these groups of tools. Armed with this three-part toolchest, and without complicated mathematics, readers can estimate the flight range of birds and planes and the strength of chemical bonds, understand the physics of pianos and xylophones, and explain why skies are

blue and sunsets are red. The Art of Insight in Science and Engineering will appear in print and online under a Creative Commons Noncommercial Share Alike license.

High-Dimensional Probability

"Integers" is a refereed online journal devoted to research in the area of combinatorial number theory. It publishes original research articles in combinatorics and number theory. Topics covered by the journal include additive number theory, multiplicative number theory, sequences and sets, extremal combinatorics, Ramsey theory, elementary number theory, classical combinatorial problems, hypergraphs, and probabilistic number theory. Integers also houses a combinatorial games section. This work presents all papers of the 2013 volume in book form.

Applied Science, Materials Science and Information Technologies in Industry

An accessible undergraduate textbook introducing key fundamental principles behind modern communication systems, supported by exercises, software problems and lab exercises.

Proceedings of Symposia in Pure Mathematics

A unified, modern treatment of the theory of random graphs-including recent results and

techniques Since its inception in the 1960s, the theory of random graphs has evolved into a dynamic branch of discrete mathematics. Yet despite the lively activity and important applications, the last comprehensive volume on the subject is Bollobas's well-known 1985 book. Poised to stimulate research for years to come, this new work covers developments of the last decade, providing a much-needed, modern overview of this fast-growing area of combinatorics. Written by three highly respected members of the discrete mathematics community, the book incorporates many disparate results from across the literature, including results obtained by the authors and some completely new results. Current tools and techniques are also thoroughly emphasized. Clear, easily accessible presentations make *Random Graphs* an ideal introduction for newcomers to the field and an excellent reference for scientists interested in discrete mathematics and theoretical computer science. Special features include:

- * A focus on the fundamental theory as well as basic models of random graphs
- * A detailed description of the phase transition phenomenon
- * Easy-to-apply exponential inequalities for large deviation bounds
- * An extensive study of the problem of containing small subgraphs
- * Results by Bollobas and others on the chromatic number of random graphs
- * The result by Robinson and Wormald on the existence of Hamilton cycles in random regular graphs
- * A gentle introduction to the zero-one laws
- * Ample exercises, figures, and bibliographic references

[ROMANCE](#) [ACTION & ADVENTURE](#) [MYSTERY & THRILLER](#) [BIOGRAPHIES & HISTORY](#) [CHILDREN'S](#) [YOUNG ADULT](#) [FANTASY](#) [HISTORICAL FICTION](#) [HORROR](#) [LITERARY FICTION](#) [NON-FICTION](#) [SCIENCE FICTION](#)