

The Chicken From Minsk And 99 Other Infuriatingly Challenging Brain Teasers From The Great Russian Tradition Of Math And Science

The world's most comprehensive, well documented, and well illustrated book on this subject. With extensive subject and geographical index. 362 photographs and illustrations. Free of charge in digital PDF format on Google Books

A mesmerizing and challenging book of Russian games for the mind.

The world's most comprehensive, well documented, and well illustrated book on this subject. With extensive subject and geographic index. 107 photographs and illustrations - mostly color. Free of charge in digital PDF format.

The transition from homeschooling children to preparing them for success in college deserves both planning and preparation. As the parent of a homeschooler, you have many issues to consider besides academic excellence.

Put your wits—and survival instincts—to the test! Publisher's Note: Perilous Problems for Puzzle Lovers was previously published in the UK under the title So You Think You've Got Problems? In Perilous Problems for Puzzle Lovers, Alex Bellos collects 125 of the world's greatest stumpers—many dangerous to your person, and all dangerous to your pride. Brace yourself to wrestle with wordplay, grapple with geometry, and scramble for survival. For example . . . Ten lions and a sheep are in a pen. Any lion who eats the sheep will fall asleep. A sleeping lion will be eaten by another lion, who falls asleep in turn. If the lions are all perfect logicians, what happens? Bellos pairs his fiendish brainteasers with fascinating history, so you'll meet Alcuin, Sam Loyd, and other puzzle masters of yore—in between deranged despots and wily jailers with an unaccountable taste for riddles. Will you make it out alive? And what about the sheep?

"Out of the Dark" consists of two distinctive parts, "The Next Day" and "And Suddenly the Wind Blew." In this volume of collected poems, Mai Van Phan has quietly plowed fields of poetry, using an abundance of domestic resources and human experience. In both sections of the book, there is strong evidence that MVP is defining a new way of poetry as evident in his use of combinations: of describing and questioning, of experiencing and wondering, of criticising and greeting, of worrying and searching; between death and life, fight, blood, tears and raw, painful smile. "The Next Day" is written as an illusion, a question and there is realization that somebody (the poet perhaps) is drawing their own life with reality. In contrast, "And Suddenly the Wind Blew" no longer portrays vicious circles of life but heralds close and intimate observations of fulfillment and of purity: in spring, in fall, between lovers, in clouds, the wind, in flowers and the ritual of the earth and rhythm. "The Next Day," by leaving behind academic elegance, fades the boundary between high class and common culture and reaches readers by using simple language where reality is mentioned through trash, scrap, trash cans, even impotence... And it ends with a voice choked at the larynx, among the dust and lies of life, a dark and dusty picture painted by the left hemisphere, a thriving reality of postmodern, soot, trash, paranoia and fear; a haunting reality. The end of "The Next Day" is a rare insightful hypothesis where black fish and a sharp trap are waiting for the dawn. In "And Suddenly the Wind Blew," the poem has shifted from negative to positive, from darkness to the light, from night to day, from birth to crack open the great realm of nature's seasonal fruit crops. It is still expressed with randomly fictional reality, still with the rhythm of short-term volatility but with bright colors of chastity, as if to daze and create longing in the mind... of a new generation.

One of Booklist's Must Read Nonfiction picks of 2019 The acclaimed author of A Replacement Life shifts between heartbreak and humor in this gorgeously told, recipe-filled memoir. A family story, an immigrant story, a love story, and an epic meal, Savage Feast explores the challenges of navigating two cultures from an unusual angle. A revealing personal story and family memoir told through meals and recipes, Savage Feast begins with Boris's childhood in Soviet Belarus, where good food was often worth more than money. He describes the unlikely dish that brought his parents together and how years of Holocaust hunger left his grandmother so obsessed with bread that she always kept five loaves on hand. She was the stove magician and Boris' grandfather the master black marketer who supplied her, evading at least one firing squad on the way. These spoils kept Boris' family—Jews who lived under threat of discrimination and violence—provided-for and protected. Despite its abundance, food becomes even more important in America, which Boris' family reaches after an emigration through Vienna and Rome filled with marvel, despair, and bratwurst. How to remain connected to one's roots while shedding their trauma? The ambrosial cooking of Oksana, Boris's grandfather's Ukrainian home aide, begins to show him the way. His quest takes him to a farm in the Hudson River Valley, the kitchen of a Russian restaurant on the Lower East Side, a Native American reservation in South Dakota, and back to Oksana's kitchen in Brooklyn. His relationships with women—troubled, he realizes, for reasons that go back many generations—unfold concurrently, finally bringing him, after many misadventures, to an American soulmate. Savage Feast is Boris' tribute to food, that secret passage to an intimate conversation about identity, belonging, family, displacement, and love.

#1 NEW YORK TIMES BESTSELLER • Giada De Laurentiis shares how her unique approach to wellness completely transformed her relationship with food—featuring 100 recipes to boost gut health and immunity and nourish your mind, body, and spirit. This book is the culmination of a ten-year journey. . . . I've made a conscious effort to take control of my health because it had finally become impossible to ignore the fact that the choices (or lack thereof) I'd been making for the past twenty years just weren't working for me anymore. In Giada's most personal book yet, she gives you an inside look at her path to wellness and how she maintains a balanced life. Giada walks you through how to select food that can actually make you feel better and curate a personalized wellness routine to support a healthy mind and body. She shows you her own process of reconfiguring her diet to control inflammation—and how you can use the same steps to turn your life around. Giada also includes information on how to use complementary wellness tactics like intermittent fasting, meditation, and other self-care routines to optimize your well-being. Giada devotes an entire chapter to her 3-day reboot—which she follows several times a year—and offers more than two dozen dairy-free, sugar-free, and gluten-free recipes to accompany the plan, as well as a 21-day menu outline that makes good, healthy cooking easy to implement at home. Even though it's so much more than a cookbook, Eat Better, Feel Better also offers 100 new recipes, ?from Italian-influenced ones like Fusilli with Chicken and Broccoli Rabe and Pan-Roasted Pork Chops with Cherry and Red Wine Sauce to her everyday healthy favorites including Quinoa Pancakes; Sheet Pan Parmesan Shrimp and Veggies; Roasted Cauliflower and Baby Kale Salad; and Chocolate and Orange Brown Rice Treats. Eat Better, Feel Better is the perfect jumpstart to wellness.

Singapore's bestselling Mathematical Quickies & Trickies, which has sold over 90,000 copies locally, contains more than 300 nonroutine problems to enhance students' mathematical problem-solving skills. With many creative worked examples and questions, and with cartoons sprinkled throughout the book, Mathematical Quickies & Trickies would appeal primarily to these

audiences: * grades 5-7 students and teachers looking for some fertile trick and tricky questions; * mathletes preparing for local and regional contests and competitions; * problem solvers longing to be challenged by questions whose obvious solutions are never the correct ones for what offhand appears to be true is false. With proper insight, you'll learn how to solve these tricky problems almost instantly, whose solutions are almost never the correct ones. You need no longer be caught off-guard; instead, you'll learn to solve these questions confidently—how to tame these counter-intuitive questions into routine ones. Contents 1. Mental Computation I 2. Mental Computation 2 3. Number Series 4. A Tricky Way with Fractions 5. Test Your Calculator Proficiency 6. Simplifying a Complex Fraction 7. Recurring Decimals 8. Is Zero an Even or Odd Integer? 9. Casting Out Nines 10. Be a Calculator Expert 11. Division by 9 12. Number Riddles 13. Ten Steps to be Math Smart 14. Shortcuts a la Trachtenberg 15. Geometrical Quickies 1 16. Geometrical Quickies 2 17. Geometrical Quickies 3 18. (Sugar + Coffee) + Milk = Sugar + (Coffee + Milk) 19. Applications of Number Laws 20. Law of One 21. Distributive Law 22. More Applications of Distributive Law 23. The Joy of Guesstimation 24. Are You a Fermi Disciple? 25. Bravo Singapore 26. Lightning Calculators 27. Geometrical Quickies 4 28. Some Calculator Quickies Answers & Solutions Bibliography & References Type of e-book: Nonfiction, problem solving, recreational, Singapore math, trick questions Audiences: Suitable for Grades 4-7 (or Primary 4-7 levels)

A collection of math and physics problems ranging from tricky to extremely difficult includes clues, answers, and stories about a problem's origin or how it was first solved

An educational cookbook, aimed at the descendants of those who carried their cuisines on journeys far from their original homes, pays tribute to traditional Jewish cuisine and heritage through recipes that have been brought to life for a whole new generation of cooks and can be used on holidays or any other day of the year. 20,000 first printing.

Brings together a collection of kosher recipes and culinary history in a volume that captures the broad diversity of modern-day Israeli cuisine, with dishes ranging from new interpretations of traditional classics to innovative exotic specialties.

For sixty years Jewish refugees and their descendants have prospered in the Federal District of Sitka, a "temporary" safe haven created in the wake of the Holocaust and the shocking 1948 collapse of the fledgling state of Israel. The Jews of the Sitka District have created their own little world in the Alaskan panhandle, a vibrant and complex frontier city that moves to the music of Yiddish. But now the District is set to revert to Alaskan control, and their dream is coming to an end. Homicide detective Meyer Landsman of the District Police has enough problems without worrying about the upcoming Reversion. His life is a shambles, his marriage a wreck, his career a disaster. And in the cheap hotel where Landsman has washed up, someone has just committed a murder—right under his nose. When he begins to investigate the killing of his neighbor, a former chess prodigy, word comes down from on high that the case is to be dropped immediately, and Landsman finds himself contending with all the powerful forces of faith, obsession, evil, and salvation that are his heritage. At once a gripping whodunit, a love story, and an exploration of the mysteries of exile and redemption, *The Yiddish Policemen's Union* is a novel only Michael Chabon could have written.

I have learned a lot from John Neu over the past years, and his book reflects very well his sense of style and purpose. --Walter Craig, McMaster University, Hamilton, Ontario, Canada and Fields Institute for Research in Mathematical Sciences, Toronto, Ontario, Canada John Neu's book presents the basic ideas of fluid mechanics, and of the transport of matter, in a clear and reader-friendly way. Then it proposes a collection of problems, starting with easy ones and gradually leading up to harder ones. Each problem is solved with all the steps explained. In the course of solving these problems, many fundamental methods of analysis are introduced and explained. This is an ideal book for use as a text, or for individual study. --Joseph B. Keller, Stanford University This book presents elementary models of transport in continuous media and a corresponding body of mathematical technique. Physical topics include convection and diffusion as the simplest models of transport; local conservation laws with sources as the general framework of continuum mechanics; ideal fluid as the simplest model of a medium with mass; momentum and energy transport; and finally, free surface waves, in particular, shallow water theory. There is a strong emphasis on dimensional analysis and scaling. Some topics, such as physical similarity and similarity solutions, are traditional. In addition, there are reductions based on scaling, such as incompressible flow as a limit of compressible flow, and shallow water theory derived asymptotically from the full equations of free surface waves. More and deeper examples are presented as problems, including a series of problems that model a tsunami approaching the shore. The problems form an embedded subtext to the book. Each problem is followed by a detailed solution emphasizing process and craftsmanship. The problems express the practice of applied mathematics as the examination and re-examination of simple but essential ideas in many interrelated examples.

Since childhood, Louise Woods has wanted to become a dancer. The day she arrives at Le Papillon – a private cabaret club where men come to enjoy the beauty of women dancing, her life completely changes. Louise lives in the club and the rules of living and working there cannot be ignored or broken. Either you do your best to please the clients, or you are out. No flirting, no secret affairs, just dancing. During her first public show, Louise meets a stranger who pays for the privilege to have her privately dance for him. He won't let her see his face, he won't even introduce himself, but he will make an offer that she won't be able to refuse. He won't make any hollow promises, but he will make her believe she is special... "I hate following the rules," he'll say, "but I do love breaking them." Will she dare to risk losing everything she has, just to make the darkest of the stranger's fantasies come true? Once the decision is made, there will be no way back...

The student magazine of math and science.

A long-awaited English translation of the groundbreaking oral history of women in World War II across Europe and Russia—from the winner of the Nobel Prize in Literature NAMED ONE OF THE BEST BOOKS OF THE YEAR BY The Washington Post • The Guardian • NPR • The Economist • Milwaukee Journal Sentinel • Kirkus Reviews For more than three decades, Svetlana Alexievich has been the memory and conscience of the twentieth century. When the Swedish Academy awarded her the Nobel Prize, it cited her invention of "a new kind of literary genre," describing her work as "a history of emotions . . . a history of the soul." In *The Unwomanly Face of War*, Alexievich chronicles the experiences of the Soviet women who fought on the front lines, on the home front, and in the occupied territories. These women—more than a million in total—were nurses and doctors, pilots, tank drivers, machine-gunners, and snipers. They battled alongside men, and yet, after the victory, their efforts and sacrifices were forgotten. Alexievich traveled thousands of miles and visited more than a hundred towns to record these women's stories. Together, this symphony of voices reveals a different aspect of the war—the everyday details of life in combat left out of the official histories. Translated by the renowned Richard

Pevear and Larissa Volokhonsky, *The Unwomanly Face of War* is a powerful and poignant account of the central conflict of the twentieth century, a kaleidoscopic portrait of the human side of war. THE WINNER OF THE NOBEL PRIZE IN LITERATURE “for her polyphonic writings, a monument to suffering and courage in our time.” “A landmark.”—Timothy Snyder, author of *On Tyranny: Twenty Lessons from the Twentieth Century* “An astonishing book, harrowing and life-affirming . . . It deserves the widest possible readership.”—Paula Hawkins, author of *The Girl on the Train* “Alexievich has gained probably the world’s deepest, most eloquent understanding of the post-Soviet condition. . . . [She] has consistently chronicled that which has been intentionally forgotten.”—Masha Gessen, National Book Award–winning author of *The Future Is History*

A “masterpiece” of a comic novel following four generations of a Jewish family in Minsk torn asunder by the new Soviet reality (Forward). This is the first complete English-language translation of a classic of Yiddish literature, one of the great comic novels of the twentieth century. *The Zelmanyaners* describes the travails of a Jewish family in Minsk that is torn asunder by the new Soviet reality. Four generations are depicted in riveting and often uproarious detail as they face the profound changes brought on by the demands of the Soviet regime and its collectivist, radical secularism. The resultant intergenerational showdowns—including disputes over the introduction of electricity, radio, or electric trolley—are rendered with humor, pathos, and a finely controlled satiric pen. Moyshe Kulbak, a contemporary of the Soviet Jewish writer Isaac Babel, picks up where Sholem Aleichem left off a generation before, exploring in this book the transformation of Jewish life.

A Library Journal Best Cookbook of the Year “SHUK shouts ‘Cook me!’ from every vibrant page.” —Boston Globe “Fascinating. . . . This energetic and exciting volume serves as an edifying deep dive into Israeli food market culture and cuisine.” —Publishers Weekly, starred review *With Shuk*, home cooks everywhere can now inhale the fragrances and taste the flavors of the vivacious culinary mash-up that is today’s Israel. The book takes you deeper into this trending cuisine, through the combined expertise of the authors, chef Einat Admony of Balaboosta and food writer Janna Gur. Admony’s long-simmered stews, herb-dominant rice pilafs, toasted-nut-studded grain salads, and of course loads of vegetable dishes—from snappy, fresh, and raw to roasted every way you can think of—will open your eyes and your palate to the complex nuances of Jewish food and culture. The book also includes authoritative primers on the well-loved pillars of the cuisine, including chopped salad, hummus, tabbouleh, rich and inventive shakshukas, and even hand-rolled couscous with festive partners such as tangy quick pickles, rich pepper compotes, and deeply flavored condiments. Through gorgeous photo essays of nine celebrated shuks, you’ll feel the vibrancy and centrality of the local markets, which are so much more than simply shopping venues—they’re the beating heart of the country. With more than 140 recipes, *Shuk* presents Jewish dishes with roots in Persia, Yemen, Libya, the Balkans, the Levant, and all the regions that contribute to the evolving food scene in Israel. The ingredients are familiar, but the combinations and techniques are surprising. With *Shuk* in your kitchen, you’ll soon be cooking with the warmth and passion of an Israeli, creating the treasures of this multicultural table in your own home.

The world's most comprehensive, well-documented, and well illustrated book on this subject. With extensive subject and geographic index. 166 photographs and illustrations - many color. Free of charge in digital PDF format on Google Books

The Chicken from Minsk

Follow the shocking but true story of Joseph Gavi, a small Jewish boy growing up in Minsk, Byelorussia, during the German invasion of WWII. Relive unspeakable horrors surrounding him as he at first struggles to simply survive and then to overcome his brutal oppressors through covert action with the "Freedom Fighters," rescuing more than 200 of his people from the imprisoning ghetto while constantly evading immediate death by execution. Read with spellbinding detail of each harrowing escape, at times only inches from being discovered and from tortuous death. Experience the wartime betrayal of "loyal" friends and later that of comrades as his postwar successes in the Soviet Union are thwarted by his old enemy: anti-Semitism. Finally, follow this highly decorated veteran, mountain-climbing instructor, and scientist as he resolves to pierce the Iron Curtain and flee to America--only to face the frustrations of a repressive bureaucratic battleground for his entrepreneurial success through citizenship in the USA.

This book is about the Theory of Special Relativity (SR), the introductory parts of which, and other general comments on science and physics preceding it, would be of interest to the general reader. The alternative description of SR proposed and developed in the book is essentially that of Newton’s classical physics, except for the critical additional of a step properly expressing the travel time of light signals conveying information to the observer. The form of that step, in turn, is dictated by the requirements of SR as expressed through its essence, the Lorentz transformation. Conventional interpretations of SR phenomena are as the observer perceives them, in altered descriptions of space and time. The altered versions differ from those associated with the phenomena at the location of the event creating them, because the light signals, conveying the information from source to observer, involve certain travel times of the signals themselves. Thus, until deciphered, they are not a simple representation of times in the event of interest. When the alternative approach to representation of SR developed in this book is applied, the same results as those from the conventional approaches of SR are obtained. The expressions for quantities such as energy and momentum differ from the corresponding quantities in Newton’s model for space and time. The alternative approach in the book simply provides a more intuitive route to and a logical explanation of the relativistic process.

The world's most comprehensive, well documented, and will illustrated book on this subject. Extensive subject and geographical index. 146 photographs, maps and illustrations - mostly color. Free of charge in digital PDF format on Google Books

Introduces Captain Jack Aubrey and Stephen Maturin, ship's surgeon and intelligence agent, in the age of the Napoleonic wars.

This book is a portrait of the Petaluma Jewish community from the early years of the century to the present day. Kenneth L. Kann interviewed more than two hundred residents, representing three generations of Jewish Americans. The picture that emerges from their testimony is of a wonderfully animated and fractious community. Its history blends many of the familiar themes of American Jewish life into a richly individual tapestry. In the first few decades of this century, many Jewish immigrants from Russia and Eastern Europe wound up in Petaluma. This first generation of chicken farmers consisted largely of educated, often professional men and women; many were drawn to chicken farming as much by Marxist or Zionist beliefs in the dignity of labor as by economic necessity. They helped establish the particular character of a community, with its combination of arduous work and cultural aspiration.

A funny, insightful, and self-contained guide to Einstein's relativity theory and classical field theories—including electromagnetism Physicist Leonard Susskind and data engineer Art Friedman are back. This time, they introduce readers to Einstein's special relativity and Maxwell's classical field theory. Using their typical brand of real math, enlightening drawings, and humor, Susskind and Friedman walk us through the complexities of waves, forces, and particles by exploring special relativity and electromagnetism. It's a must-read for both devotees of the series and any armchair physicist who wants to improve their knowledge of physics' deepest truths.

THE CHICKEN FROM MINSK is a collection of one hundred of the best Russian brainteasers. The problems range from easy to tricky to excruciatingly difficult, but all are irresistibly entertaining. Covering a range of maths and physics puzzles taken from the Russian Olympiad for children to university entrance papers they will keep lateral thinkers busy for hours. (And for those who run out of pencils to chew there are subtle hints and solutions...)

"If the Coen brothers ever ventured beyond the United States for their films, they would find ample material in this novel." --The New York Times Book Review "Occasionally a book comes along so fresh, strange, and original that it seems peerless, utterly unprecedented. This is one of those books." —Kirkus Reviews (starred review) **Winner of the 2021 Wingate Literary Prize** An irresistible, picaresque tale of two Jewish sisters in late-nineteenth-century Russia, *The Slaughterman's Daughter* is filled with "boundless imagination and a vibrant style" (David Grossman). With her reputation as a *vilde chaya* (wild animal), Fanny Keismann isn't like the other women in her shtetl in the Pale of Settlement—certainly not her obedient and anxiety-ridden sister, Mende, whose "philosopher" of a husband, Zvi-Meir, has run off to Minsk, abandoning her and their two children. As a young girl, Fanny felt an inexorable pull toward her father's profession of ritual slaughterer and, under his reluctant guidance, became a master with a knife. And though she long ago gave up that unsuitable profession—she's now the wife of a cheesemaker and a mother of five—Fanny still keeps the knife tied to her right leg. Which might come in handy when, heedless of the dangers facing a Jewish woman traveling alone in czarist Russia, she sets off to track down Zvi-Meir and bring him home, with the help of the mute and mysterious ferryman Zizek Breshov, an ex-soldier with his own sensational past. Yaniv Iczkovits spins a family drama into a far-reaching comedy of errors that will pit the czar's army against the Russian secret police and threaten the very foundations of the Russian Empire. *The Slaughterman's Daughter* is a rollicking and unforgettable work of fiction.

On Christmas Day, 1991, President George H. W. Bush addressed the nation to declare an American victory in the Cold War: earlier that day Mikhail Gorbachev had resigned as the first and last Soviet president. The enshrining of that narrative, one in which the end of the Cold War was linked to the disintegration of the Soviet Union and the triumph of democratic values over communism, took center stage in American public discourse immediately after Bush's speech and has persisted for decades -- with disastrous consequences for American standing in the world. As prize-winning historian Serhii Plokhy reveals in *The Last Empire*, the collapse of the Soviet Union was anything but the handiwork of the United States. On the contrary, American leaders dreaded the possibility that the Soviet Union -- weakened by infighting and economic turmoil -- might suddenly crumble, throwing all of Eurasia into chaos. Bush was firmly committed to supporting his ally and personal friend Gorbachev, and remained wary of nationalist or radical leaders such as recently elected Russian President Boris Yeltsin. Fearing what might happen to the large Soviet nuclear arsenal in the event of the union's collapse, Bush stood by Gorbachev as he resisted the growing independence movements in Ukraine, Moldova, and the Caucasus. Plokhy's detailed, authoritative account shows that it was only after the movement for independence of the republics had gained undeniable momentum on the eve of the Ukrainian vote for independence that fall that Bush finally abandoned Gorbachev to his fate. Drawing on recently declassified documents and original interviews with key participants, Plokhy presents a bold new interpretation of the Soviet Union's final months and argues that the key to the Soviet collapse was the inability of the two largest Soviet republics, Russia and Ukraine, to agree on the continuing existence of a unified state. By attributing the Soviet collapse to the impact of American actions, US policy makers overrated their own capacities in toppling and rebuilding foreign regimes. Not only was the key American role in the demise of the Soviet Union a myth, but this misplaced belief has guided -- and haunted -- American foreign policy ever since.

Winner of the 2010 Non-Fiction National Book Award Patti Smith's evocative, honest and moving coming-of-age story of her extraordinary relationship with the artist Robert Mapplethorpe

Hunt's account of his search for the Ho Chi Minh Trail. On a rickety Russian-made motorbike, he set off to explore what was once the supply route for the North Vietnamese Army. Roaming the countryside, he soon found that being an American in Vietnam conjured constant reminders of the past.

200 highly cookable, delicious, and incredibly simple recipes to throw together fast, flavorful meals in no time with just a handful of ingredients--from the James Beard Award-winning team at Milk Street In Cookish, Christopher Kimball and his team of cooks and editors harness the most powerful cooking principles from around the world to create 200 of the simplest, most delicious recipes ever created. These recipes, most with six or fewer ingredients (other than oil, salt, and pepper), make it easy to be a great cook--the kind who can walk into a kitchen and throw together dinner in no time. In each of these recipes, big flavors and simple techniques transform pantry staples, common proteins, or centerpiece vegetables into a delicious meal. And each intuitive recipe is a road map for other mix-and-match meals, which can come together in minutes from whatever's in the fridge. With most recipes taking less than an hour to prepare, and just a handful of ingredients, you'll enjoy: Pasta with Shrimp and Browned Butter West African Peanut Chicken Red Lentil Soup Scallion Noodles Open-Faced Omelet with Fried Dill and Feta Greek Bean and Avocado Salad And for dessert: Spiced Strawberry Compote with Greek Yogurt or Ice Cream When it's a race to put dinner on the table, these recipes let you start at the finish line.

The world's most comprehensive, well documented, and well illustrated book on this subject. With extensive index, 128 photographs and illustrations - mostly color. Free of charge in digital format on Google Books.

This long-awaited textbook is the most comprehensive introduction to a broad swath of combinatorial and discrete mathematics. The text covers enumeration, graphs, sets, and methods, and it includes both classical results and more recent developments. Assuming no prior exposure to combinatorics, it explains the basic material for graduate-level students in mathematics and computer science. Optional more advanced material also makes it valuable as a research reference. Suitable for a one-year course or a one-semester introduction, this textbook prepares students to move on to more advanced material. It is organized to emphasize connections among the topics, and facilitate instruction, self-study, and research, with more than 2100 exercises (many accompanied by hints) at various levels of difficulty. Consistent notation and terminology are used throughout, allowing for a discussion of diverse topics in a unified language. The thorough bibliography, containing thousands of citations, makes this a valuable source for students and researchers alike.

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