

Hairy Ball

Yun Hai

Of Goblins, Magic Eggs, Pirates, the Mystic Rose and the Hairy Ball Students SIS Swiss International School,2017-09-26 Will Jake be able to rescue his beloved sister Anna and his parents from the dangerous Goblins? Will Julie find out whether her daunting dreams come true? This book contains five stories in four different languages (Portuguese, French, German and English) that have been written by students of SIS Swiss International Schools worldwide. The stories emerged in the context of the Interschool Activity 2017 and demonstrate the students' creativity, vivid imagination and fine sense for language. Each narrative contains four chapters, contributed by four different groups of various class levels (from preschool to grade 10). Not only the stories themselves deserve a closer look, the storytellers' handmade illustrations make the book come alive. Detailed landscapes and colourful drawings of animals, heroes and fortresses make the stories even more vivid.

Grow A Husband Yun Hai,2020-06-03 It was hard for a poor family to marry, so the seedlings would quietly plant a seed in the ground and plant a husband. His husband would come for him soon. He was knowledgeable about the geography of the world. He knew how to dig holes and bury people. He knew how to raise chickens in the fields. He also knew how to cure illnesses and wounds. It really is a godly item that is essential to travel at home. Miao Miao, what are you doing? her husband asked. To raise a son. Perhaps, you like to raise a daughter? Her husband was a little worried, so he buried himself in the ground.

Of Goblins, Magic Eggs, Pirates, the Mystic Rose and the Hairy Ball Students Sis Swiss International School,2017-09-26 Will Jake be able to rescue his beloved sister Anna and his parents from the dangerous Goblins? Will Julie find out whether her daunting dreams come true? This book contains five stories in four different languages (Portuguese, French, German and English) that have been written by students of SIS Swiss International Schools worldwide. The stories emerged in the context of the Interschool Activity 2017 and demonstrate the students' creativity, vivid imagination and fine sense for language. Each narrative contains four chapters, contributed by four different groups of various class levels (from preschool to grade 10). Not only the stories themselves deserve a closer look, the storytellers' handmade illustrations make the book come alive. Detailed landscapes and colourful drawings of animals, heroes and fortresses make the stories even more vivid.

How to Free Your Inner Mathematician Susan D'Agostino,2020-03-26 How to Free Your Inner Mathematician delivers engaging mathematical content and provides reassurance that mathematical success has more to do with curiosity and drive than innate aptitude, offering readers more than 300 hand-drawn sketches alongside accessible descriptions of topics.

Topology Richard Earl,2020-01-11 How is a subway map different from other maps? What makes a knot knotted? What makes the Möbius strip one-sided? These are questions of topology, the mathematical study of properties preserved by twisting or stretching objects. In the 20th century topology became as broad and fundamental as algebra and geometry, with important implications for science, especially physics. In this Very Short Introduction Richard Earl gives a sense of the more visual elements of topology (looking at surfaces) as well as covering the formal definition of continuity. Considering some of the eye-opening examples that led mathematicians to recognize a need for studying topology, he pays homage to the historical people, problems, and surprises that have propelled the growth of this field. ABOUT THE SERIES: The Very Short Introductions series from Oxford University Press contains hundreds of titles in almost every subject area. These pocket-sized books are the perfect way to get ahead in a new subject quickly. Our expert authors combine facts, analysis, perspective, new ideas, and enthusiasm to make interesting and challenging topics highly readable.

Linear and Nonlinear Functional Analysis with Applications Philippe G. Ciarlet,2013-10-10 This single-volume textbook covers the fundamentals of linear and nonlinear functional analysis, illustrating most of the basic theorems with numerous applications to linear and nonlinear partial differential equations and to selected topics from numerical analysis and optimization theory. This book has pedagogical appeal because it features self-contained and complete proofs of most of the theorems, some of which are not always easy to locate in the literature or are difficult to reconstitute. It also offers 401 problems and 52 figures, plus historical notes and many original references that provide an idea of the genesis of the important results, and it covers most of the core topics from functional analysis.

Mostly Surfaces Richard Evan Schwartz,2011 The goal of the book is to present a tapestry of ideas from various areas of mathematics in a clear and rigorous yet informal and friendly way. Prerequisites include undergraduate courses in real analysis and in linear algebra, and some knowledge of complex analysis. --from publisher description.

Euler's Gem David S. Richeson,2019-07-23 How a simple equation reshaped mathematics Leonhard Euler's polyhedron formula describes the structure of many objects—from soccer balls and gemstones to Buckminster Fuller's buildings and giant all-carbon molecules. Yet Euler's theorem is so simple it can be explained to a child. From ancient Greek geometry to today's cutting-edge research, Euler's Gem celebrates the discovery of Euler's beloved polyhedron formula and its far-reaching impact on topology, the study of shapes. Using wonderful examples and numerous illustrations, David Richeson presents this mathematical idea's many elegant and unexpected applications, such as showing why there is always some windless spot on earth, how to measure the acreage of a tree farm by counting trees, and how many crayons are needed to color any map. Filled with a who's who of brilliant mathematicians who questioned, refined, and contributed to a remarkable theorem's development, Euler's Gem will fascinate every mathematics enthusiast. This paperback edition contains a new preface by the author.

Do You Want to Play with My Balls? Christopher Cifaldi,Matthew Cifaldi,2012-11-12

Topics in Mathematical Economics and Game Theory Robert J. Aumann,Myrna Holtz Wooders,1999 Since the publication of Theory of Games and Economic Behavior by von Neumann and Morgenstern, the concept of games has played an increasing role in economics. It also plays a role of growing importance in other sciences, including biology, political science, and psychology. Many scientists have made seminal advances and continue to be leaders in the field, including Harsanyi, Shapley, Shubik, and Selten. Professor Robert Aumann, in addition to his important contributions to game theory and economics, made a number of significant contributions to mathematics. This volume provides a collection of essays in mathematical economics and game theory, including cutting-edge research on noncooperative game theory and its foundations, bargaining theory, and general equilibrium theory. Also included is a reprint of Aumann's classic paper, Acceptable Points in General Cooperative n-Person Games and of the oft-cited, yet hard to find, paper by Maschler, The Worth of a Cooperative Enterprise to Each Member. This book illustrates the wide range of applications of mathematics to economics, game theory, and social choice. The volume is dedicated to Professor Robert J. Aumann, Hebrew University, Jerusalem, Israel, for his contributions in mathematics and social sciences.

Methods of Mathematical Economics Joel N. Franklin,1980-01-01 Linear programming. Introduction to linear programming -- Linear programs and their duals -- How the dual indicates optimality -- Basic solutions -- The idea of the simplex methods -- Separating planes for convex sets -- Finite cones and the Farkas alternative -- The duality principle -- Perturbations and parametric programming -- The simplex tableau algorithm -- The revised simplex algorithm -- A simplex algorithm for degenerate problems -- Multiobjective linear programming -- Zero-sum, two-person games -- Integer programming: Gomory's method -- Network flows -- Assignment and shortest-route problems -- The transportation problem -- Nonlinear programming. Wolfe's method for quadratic programming -- Kuhn-Tucker theory -- Geometric programming -- Fixed-point theorems. Introduction to fixed points -- Contraction mappings -- Garsia's proof of the Brouwer fixed-point theorem -- Milnor's proof of the Brouwer fixed-point theorem -- Barycentric coordinates, Sperner's lemma, and an elementary proof of the Brouwer fixed-point theorem -- The Schauder fixed-point theorem -- Kakutani's fixed-point theorem and Nash's theorem for n-person games.

Emperor Sovereign's Doting Foodie Xue WeiLiang,2020-02-10 He was the lofty Regal, cold and heartless, yet he doted on her to the bone. She was a God of Cookery, able to deceive people, kill strong people, go to the hall, go to the kitchen, outstanding to the point of perfection. Yet, her little mouth never stopped eating. Murong Mo: What if my little sister who is a glutton gets taken away by snacks? Online, urgent. Qian Ye Mu Yu: What do I do if I want to let this gluttonous woman eat me? Same as online.

Ghost Eye Master Ye GuHun,2020-11-22 The human left the human and the ghost left the ghost. No matter if it's a person or a ghost, if you take the wrong path, I, Li Xiangyang, will come and take you in. After a class reunion, Li Xiangyang's business was in full swing. All sorts of demons and

monsters, come to my bowl!

Topology Through Inquiry Michael Starbird, Francis Su, 2020-09-10 *Topology Through Inquiry* is a comprehensive introduction to point-set, algebraic, and geometric topology, designed to support inquiry-based learning (IBL) courses for upper-division undergraduate or beginning graduate students. The book presents an enormous amount of topology, allowing an instructor to choose which topics to treat. The point-set material contains many interesting topics well beyond the basic core, including continua and metrizability. Geometric and algebraic topology topics include the classification of 2-manifolds, the fundamental group, covering spaces, and homology (simplicial and singular). A unique feature of the introduction to homology is to convey a clear geometric motivation by starting with mod 2 coefficients. The authors are acknowledged masters of IBL-style teaching. This book gives students joy-filled, manageable challenges that incrementally develop their knowledge and skills. The exposition includes insightful framing of fruitful points of view as well as advice on effective thinking and learning. The text presumes only a modest level of mathematical maturity to begin, but students who work their way through this text will grow from mathematics students into mathematicians. Michael Starbird is a University of Texas Distinguished Teaching Professor of Mathematics. Among his works are two other co-authored books in the Mathematical Association of America's (MAA) Textbook series. Francis Su is the Benediktsson-Karwa Professor of Mathematics at Harvey Mudd College and a past president of the MAA. Both authors are award-winning teachers, including each having received the MAA's Haimo Award for distinguished teaching. Starbird and Su are, jointly and individually, on lifelong missions to make learning—of mathematics and beyond—joyful, effective, and available to everyone. This book invites topology students and teachers to join in the adventure.

The Hairy Bkie and Other Metacognitive Strategies Jeffrey Baron Levi, 2020-08-07 The book contains practical and innovative strategies to train clients with Traumatic Brain Injury, Autism, Intellectual Impairment and Behavioural Disorders to compensate for their deficits and to function independently within their environments. The book is a result of 30 years of working directly with clients who are experiencing problems with organization, memory, learning, problem solving and anger management. The book is highly recommended for practitioners working with clients with a range of disability in educational, community or work settings and is a valuable tool to researchers and tertiary institutions to impart this knowledge to future practitioners. The book is highly recommended to be included in a cognitive rehabilitation course for counsellors, neuropsychologists, rehabilitation consultants and vocational rehabilitation consultants. It would be highly relevant for a section in a Special Education course and for school psychologists, special education and mainstream teachers working with children with learning and behavioural disorders.

Nonlinear Dynamics, Mathematical Biology, and Social Science Joshua M. Epstein, 2018-03-08 This book is based on a series of lectures on mathematical biology, the essential dynamics of complex and crucially important social systems, and the unifying power of mathematics and nonlinear dynamical systems theory.

Hairy Krishne Joseph R. Sarbo, 2014-01-23 *Hairy Krishne* tells the story of how Jennifer, an only child, got her very own dog. If your house is “PET FRIENDLY,” getting a pooch isn’t a problem; however, if pets are on the “NOT WANTED list” it can be a “BONE OF CONTENTION!” As a “NO PETS” parent you’ll need some very good reasons why having a pet is NOT such a wonderful idea. What do you say when your child asks for a pet and you don’t want one? If these words, “When you get your own house, you can have all kinds of pets!” or “Not while you are living in my house, under my roof!” sound familiar, you’ll be surprised at how the story ends. On the other hand, if you are a kid who has always wanted a pet but was never allowed to have one, you need to develop a plan to convince your parents that you are deserving of having a pet. You will definitely be interested in the Jennifer’s approach to make her “doggy dream” come true! Sometimes the one who shows the most resistance can become your greatest ally.....if you have the right technique! Make no “bones” about it!

Vector Analysis Klaus Jänich, 2001-02-16 This book presents modern vector analysis and carefully describes the classical notation and understanding of the theory. It covers all of the classical vector analysis in Euclidean space, as well as on manifolds, and goes on to introduce de Rham Cohomology, Hodge theory, elementary differential geometry, and basic duality. The material is accessible to readers and students with only calculus and linear algebra as prerequisites. A large number of illustrations, exercises, and tests with answers make this book an invaluable self-study source.

The Little Book of Mathematical Principles, Theories & Things Robert Solomon, 2016-01-01 This little book makes serious math simple—with more than 120 laws, theorems, paradoxes, and more explained in jargon-free terms. The Little Book of Mathematical Principles provides simple, clear explanations for the principles, equations, paradoxes, laws, and theorems that form the basis of modern mathematics. It is a refreshingly engaging tour of Fibonacci numbers, Euclid's Elements, and Zeno's paradoxes, as well as other fundamental principles such as chaos theory, game theory, and the game of life. Renowned mathematics author Dr. Robert Solomon simplifies the ancient discipline of mathematics and provides fascinating answers to intriguing questions, such as: What is the greatest pyramid?, What is a perfect number?, and Is there a theory for stacking oranges?

Hairy Roots Pauline M. Doran, 2020-01-29 *Hairy roots* are plant roots that have been genetically transformed and can be cultured on a large scale. They can replace the whole plant in many research projects, and offer a range of technical advantages over plant cell cultures. Hairy roots are now used in studies of plant secondary metabolism and its genetic manipulation, as hosts for the production of foreign proteins, for plant propagation in agriculture, in environmental research, and for the development of new engineering technology for large-scale production of plant chemicals. Hairy root culture is an interdisciplinary science, with important and expansive applications. This volume is the first to be dedicated solely to the many facets of hairy root culture. The number of papers dedicated to hairy roots is rising exponentially, and with the increasing amount of research already underway this forms a timely publication. It is written and edited by acknowledged experts in the areas of hairy root culture and product synthesis, plant propagation, bio-processing and environmental aspects of hairyroots.

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