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[Verifying Goldbach's Conjecture](#) Jan 26 2022 Research Paper from the year 2012 in the subject Computer Science - Applied, Northcentral University, language: English, abstract: Paper discusses Goldbach's Conjecture that all even integers can be represented as the sum of two prime numbers and presents an algorithm to verify the conjecture which is only limited by the size of the primes that can be generated.

[The Logic of Provability](#) Sep 21 2021 Boolos, a pre-eminent philosopher of mathematics, investigates the relationship between provability and modal logic.

[Elementary Number Theory with Applications](#) Jun 18 2021 This second edition updates the well-regarded 2001 publication with new short sections on topics like Catalan numbers and their relationship to Pascal's triangle and Mersenne numbers, Pollard rho factorization method, Hoggatt-Hensell identity. Koshy has added a new chapter on continued fractions. The unique features of the first edition like news of recent discoveries, biographical sketches of mathematicians, and applications--like the use of congruence in scheduling of a round-robin tournament--are being refreshed with current information. More challenging exercises are included both in the textbook and in the instructor's manual. *Elementary Number Theory with Applications 2e* is ideally suited for undergraduate students and is especially appropriate for prospective and in-service math teachers at the high school and middle school levels. \* Loaded with pedagogical features including fully worked examples, graded exercises, chapter summaries, and computer exercises \* Covers crucial applications of theory like computer security, ISBNs, ZIP codes, and UPC bar codes \* Biographical sketches lay out the history of mathematics, emphasizing its roots in India and the Middle East

[Goldbach's Problem](#) Nov 23 2021 Important results surrounding the proof of Goldbach's ternary conjecture are presented in this book. Beginning with an historical perspective along with an overview of essential lemmas and theorems, this monograph moves on to a detailed proof of Vinogradov's theorem. The principles of the Hardy-Littlewood circle method are outlined and applied to Goldbach's ternary conjecture. New results due to H. Maier and the author on Vinogradov's theorem are proved under the assumption of the Riemann hypothesis. The final chapter discusses an approach to

Goldbach's conjecture through theorems by L. G. Schnirelmann. This book concludes with an Appendix featuring a sketch of H. Helfgott's proof of Goldbach's ternary conjecture. The Appendix also presents some biographical remarks of mathematicians whose research has played a seminal role on the Goldbach ternary problem. The author's step-by-step approach makes this book accessible to those that have mastered classical number theory and fundamental notions of mathematical analysis. This book will be particularly useful to graduate students and mathematicians in analytic number theory, approximation theory as well as to researchers working on Goldbach's problem.

[Professor Stewart's Cabinet of Mathematical Curiosities](#) Nov 11 2020 School maths is not the interesting part. The real fun is elsewhere. Like a magpie, Ian Stewart has collected the most enlightening, entertaining and vexing 'curiosities' of maths over the years... Now, the private collection is displayed in his cabinet. There are some hidden gems of logic, geometry and probability -- like how to extract a cherry from a cocktail glass (harder than you think), a pop up dodecahedron, the real reason why you can't divide anything by zero and some tips for making money by proving the obvious. Scattered among these are keys to unlocking the mysteries of Fermat's last theorem, the Poincaré Conjecture, chaos theory, and the P/NP problem for which a million dollar prize is on offer. There are beguiling secrets about familiar names like Pythagoras or prime numbers, as well as anecdotes about great mathematicians. Pull out the drawers of the Professor's cabinet and who knows what could happen...

**The Math Book** Oct 23 2021 This book covers 250 milestones in mathematical history, beginning millions of years ago with ancient "ant odometers" and moving through time to our modern-day quest for new dimensions.

**Mathematical induction method in Goldbach's strong conjecture** Jun 30 2022 Goldbach's strong conjecture is one of the oldest and best-known unsolved problems in number theory and all of mathematics. It states: Every even integer greater than 2 can be expressed as the sum of two primes." The conjecture has been shown to hold for all integers less than  $4 \cdot 10^{18}$ , but remains unproven despite considerable effort. As we know there are two conjectures, the weak and the strong conjecture. Many

mathematicians have obtained important results about both conjectures. In this book we analyze if it could be appropriate to use Mathematical induction method to study Goldbach's strong conjecture. We use two properties that are satisfied for prime numbers, and based on these two properties, we show a way that, may be, it can be used to analyze and approach this conjecture by the Mathematical induction method.

[Closing the Gap](#) Mar 04 2020 In 2013, a little known mathematician in his late 50s stunned the mathematical community with a breakthrough on an age-old problem about prime numbers. Since then, there has been further dramatic progress on the problem, thanks to the efforts of a large-scale online collaborative effort of a type that would have been unthinkable in mathematics a couple of decades ago, and the insight and creativity of a young mathematician at the start of his career. Prime numbers have intrigued, inspired and infuriated mathematicians for millennia. Every school student studies prime numbers and can appreciate their beauty, and yet mathematicians' difficulty with answering some seemingly simple questions about them reveals the depth and subtlety of prime numbers. Vicky Neale charts the recent progress towards proving the famous Twin Primes Conjecture, and the very different ways in which the breakthroughs have been made: a solo mathematician working in isolation and obscurity, and a large collaboration that is more public than any previous collaborative effort in mathematics and that reveals much about how mathematicians go about their work. Interleaved with this story are highlights from a significantly older tale, going back two thousand years and more, of mathematicians' efforts to comprehend the beauty and unlock the mysteries of the prime numbers.

**Goldbach's Problem** Jan 14 2021 Important results surrounding the proof of Goldbach's ternary conjecture are presented in this book. Beginning with an historical perspective along with an overview of essential lemmas and theorems, this monograph moves on to a detailed proof of Vinogradov's theorem. The principles of the Hardy-Littlewood circle method are outlined and applied to Goldbach's ternary conjecture. New results due to H. Maier and the author on Vinogradov's theorem are proved under the assumption of the Riemann hypothesis. The final chapter discusses an approach to Goldbach's conjecture through theorems by L. G. Schnirelmann. This

book concludes with an Appendix featuring a sketch of H. Helfgott's proof of Goldbach's ternary conjecture. The Appendix also presents some biographical remarks of mathematicians whose research has played a seminal role on the Goldbach ternary problem. The author's step-by-step approach makes this book accessible to those that have mastered classical number theory and fundamental notions of mathematical analysis. This book will be particularly useful to graduate students and mathematicians in analytic number theory, approximation theory as well as to researchers working on Goldbach's problem.

**Objects, Structures, and Logics** Sep 29 2019 This edited collection casts light on central issues within contemporary philosophy of mathematics such as the realism/anti-realism dispute; the relationship between logic and metaphysics; and the question of whether mathematics is a science of objects or structures. The discussions offered in the papers involve an in-depth investigation of, among other things, the notions of mathematical truth, proof, and grounding; and, often, a special emphasis is placed on considerations relating to mathematical practice. A distinguishing feature of the book is the multicultural nature of the community that has produced it. Philosophers, logicians, and mathematicians have all contributed high-quality articles which will prove valuable to researchers and students alike.

Unsolved Problems in Number Theory Oct 11 2020 Mathematics is kept alive by the appearance of new, unsolved problems. This book provides a steady supply of easily understood, if not easily solved, problems that can be considered in varying depths by mathematicians at all levels of mathematical maturity. This new edition features lists of references to OEIS, Neal Sloane's Online Encyclopedia of Integer Sequences, at the end of several of the sections.

Letters to Doubting Thomas Apr 16 2021 When people encounter an argument for or against God's existence, it often raises more questions than it answers. In *Letters to Doubting Thomas*, C. Stephen Layman offers a fresh, insightful approach to the issue of God's existence--a way to organize what can seem like a blizzard of claims and concepts--bringing clarity to a debate often mired in confusion. Layman explores the evidence for the existence of God in a series of fictionalized letters between two characters--Zachary, a philosopher, and Thomas, an old college friend who appeals to Zach for help in sorting out his thoughts about God. As their correspondence grows, Zachary leads Thomas through an informal and highly readable comparison of Naturalism (the belief that there is no God and that ultimate reality is physical reality), and Theism (the idea that there is an almighty, perfectly good God). In engaging letters that break down complex philosophical arguments into easily digestible bits, the two friends delve into such weighty topics as the reliability of religious experience, various arguments for God's existence (such as the cosmological, design, and moral arguments), the question of free will, and the problem of evil. A piece at a time, they build an argument that shows that Theism, on balance, provides a better explanation of the world and human life than does Naturalism. Here then is a highly accessible account of the

major arguments for and against the existence of God, capturing some of the best new insights of modern philosophy in a marvelously clear and engaging format.

**Closing the Gap** May 06 2020 Mathematicians have recently made dramatic progress on the Twin Primes Conjecture, which asserts that there are infinitely many pairs of prime numbers that differ by 2. This book will describe two stories: that of the recent work on the Twin Primes Conjecture, and in parallel the related ideas from the previous two thousand years of mathematics.--

*Ethereal Sieve and Other Methods for the Goldbach Conjecture* Aug 21 2021 There are at least four methods with which to prove the Goldbach conjecture, which contain the "ethereal sieve method," the "comparative sieve method," the "sifting function partition by integer sorts" and the "sifting function partition by intervals"; these are all based on existing results about the research of Goldbach problem. By means of these methods, the number of primes which are propitious to the Goldbach problem can be calculated from existing results, an accurate first order approximation of Goldbach conjecture can therefore be obtained, and the problem of twin primes can also be solved.

*Philosophy of Mathematics* Aug 28 2019 In his long-awaited new edition of *Philosophy of Mathematics*, James Robert Brown tackles important new as well as enduring questions in the mathematical sciences. Can pictures go beyond being merely suggestive and actually prove anything? Are mathematical results certain? Are experiments of any real value? This clear and engaging book takes a unique approach, encompassing non-standard topics such as the role of visual reasoning, the importance of notation, and the place of computers in mathematics, as well as traditional topics such as formalism, Platonism, and constructivism. The combination of topics and clarity of presentation make it suitable for beginners and experts alike. The revised and updated second edition of *Philosophy of Mathematics* contains more examples, suggestions for further reading, and expanded material on several topics including a novel approach to the continuum hypothesis.

**Goldbach Conjecture** May 30 2022 This book provides a detailed description of a most important unsolved mathematical problem ? the Goldbach conjecture. Raised in 1742 in a letter from Goldbach to Euler, this conjecture attracted the attention of many mathematical geniuses. Several great achievements were made, but only until the 1920's. The book gives an exposition of these results and their impact on mathematics, particularly, number theory. It also presents (partly or wholly) selections from important literature, so that readers can get a full picture of the conjecture.

*Goldbach conjecture* Dec 25 2021

**Understanding Inconsistent Science** Aug 09 2020 Peter Vickers examines 'inconsistent theories' in the history of science--theories which, though contradictory, are held to be extremely useful. He argues that these 'theories' are actually significantly different entities, and warns that the traditional goal of philosophy to make substantial, general claims about how science works is misguided.

*Number Theory* May 18 2021 The natural numbers have been studied for thousands of years, yet most undergraduate textbooks present number theory as a long list of theorems with little mention of how these results were discovered or why they are important. This book emphasizes the historical development of number theory, describing methods, theorems, and proofs in the contexts in which they originated, and providing an accessible introduction to one of the most fascinating subjects in mathematics. Written in an informal style by an award-winning teacher, *Number Theory* covers prime numbers, Fibonacci numbers, and a host of other essential topics in number theory, while also telling the stories of the great mathematicians behind these developments, including Euclid, Carl Friedrich Gauss, and Sophie Germain. This one-of-a-kind introductory textbook features an extensive set of problems that enable students to actively reinforce and extend their understanding of the material, as well as fully worked solutions for many of these problems. It also includes helpful hints for when students are unsure of how to get started on a given problem. Uses a unique historical approach to teaching number theory Features numerous problems, helpful hints, and fully worked solutions Discusses fun topics like Pythagorean tuning in music, Sudoku puzzles, and arithmetic progressions of primes Includes an introduction to Sage, an easy-to-learn yet powerful open-source mathematics software package Ideal for undergraduate mathematics majors as well as non-math majors Digital solutions manual (available only to professors) Solutions to 4-color Problem and Goldbach's Conjecture Mar 28 2022 To color a given map we first find its related map with the most mutual adjacency and color it by only four colors, then we trace back. For a large even number there are a large number of pairs of odd numbers sum of the members of each being the even number. We eliminate those pairs that none of the members of each of them is prime and show that number of the remaining pairs is still large. Process of proof shows that there can be no drop to zero in the function of number of the mentioned prime pairs. It is shown that we can take all numbers to odd bases such that we require only about half of the digits required in the current method provided that we introduce negative mark for each digit. Most probably this method will have various applications in computer technology. It is shown that the wave equation cannot be solved for the general spreading of cylindrical wave using the method of separation of variables. But, an equation is presented in case of its solving the above act will have occurred. Also, using this equation, the above-mentioned general spreading of the cylindrical wave for large distances is obtained which contrary to what is believed consists of arbitrary functions.

**Professor Stewarts mathematische Schätze** Jun 26 2019 Was war noch mal die Catalan'sche Vermutung? Und woher kommt eigentlich das Wurzelsymbol? Was hat die Zahl Pi mit dem Sternenhimmel zu tun? Wer erfand das Gleichheitszeichen? Der britische Matheguru Ian Stewart breitet in diesem Band Schätze aus, die er in Jahrzehnten gesammelt hat: über 180 interessante Matherätsel, Lösungen, Spiele, Tricks, Geschichten, Anekdoten und Logeleien. Zudem ist Stewarts Schatztruhe mit interessanten historischen Exkursen angereichert,

zum Beispiel einer kurzen Einführung in das Rechnen der Maya und der alten Ägypter und auch in die Vergangenheit unseres eigenen Rechnens: Wer erfand das Gleichheitszeichen – und warum? Ein Buch zum Blättern und Stöbern, zum Spaßhaben und Dazulernen, für Laien und für Fortgeschrittene.

**Famous Problems and Their Mathematicians** Jul 08 2020 Presents brief stories about the life and work of famous mathematicians, including Euler, Fermat, Fibonacci, Fourier, Gauss, Moebius, and Pythagoras, and introduces their theories with puzzles and tasks for students to solve.

*Das verschollene Bild* Jan 02 2020

*Goldbach's Conjecture and Structures of Primes in Number Theory* Sep 02 2022

Uncle Petros and Goldbach's Conjecture Nov 04 2022 Uncle Petros is a family joke. An ageing recluse, he lives alone in a suburb of Athens, playing chess and tending to his garden. If you didn't know better, you'd surely think he was one of life's failures. But his young nephew suspects otherwise. For Uncle Petros, he discovers, was once a celebrated mathematician, brilliant and foolhardy enough to stake everything on solving a problem that had defied all attempts at proof for nearly three centuries - Goldbach's Conjecture. His quest brings him into contact with some of the century's greatest mathematicians, including the Indian prodigy Ramanujan and the young Alan Turing. But his struggle is lonely and single-minded, and by the end it has apparently destroyed his life. Until that is a final encounter with his nephew opens up to Petros, once more, the deep mysterious beauty of mathematics. *Uncle Petros and Goldbach's Conjecture* is an inspiring novel of intellectual adventure, proud genius, the exhilaration of pure mathematics - and the rivalry and antagonism which torment those who pursue impossible goals.

**Prime Numbers** Apr 04 2020 Bridges the gap between theoretical and computational aspects of prime numbers Exercise sections are a goldmine of interesting examples, pointers to the literature and potential research projects Authors are well-known and highly-regarded in the field

**Do I Count?** Dec 01 2019 The subject of mathematics is not something distant, strange, and abstract that you can only learn about—and often dislike—in school. It is in everyday situations, such as housekeeping, communications, traffic, and weather reports. Taking you on a trip into the world of mathematics, *Do I Count?* Stories from Mathematics describes in a clear and captivating way the people behind the numbers and the places where mathematics is made. Written by top scientist and engaging storyteller Günter M. Ziegler and translated by Thomas von Foerster, the book presents mathematics and mathematicians in a manner that you have not previously encountered. It guides you on a scenic tour through the field, pointing out which beds were useful in constructing which theorems and which notebooks list the prizes for solving particular problems. Forgoing esoteric areas, the text relates mathematics to celebrities, history, travel, politics, science and technology, weather, clever puzzles, and the future. Can bees count? Is 13 bad luck? Are

there equations for everything? What's the real practical value of the Pythagorean Theorem? Are there Sudoku puzzles with fewer than 17 entries and just one solution? Where and how do mathematicians work? Who invented proofs and why do we need them? Why is there no Nobel Prize for mathematics? What kind of life did Paul Erdős lead? Find out the answers to these and other questions in this entertaining book of stories. You'll see that everyone counts, but no computation is needed.

Uncle Petros and Goldbach's Conjecture Apr 28 2022 Onkel Petros' nevø fortæller kærligt den bittersøde historie om onkelens livslange, passionerede arbejde med at føre bevis for matematikeren Goldbachs formodning, at ethvert lige tal er summen af to primtal

**Content and Modality** Sep 09 2020 Eleven distinguished philosophers have contributed specially written essays on a set of topics much debated in recent years, including physicalism, qualia, semantic competence, conditionals, presuppositions, two-dimensional semantics, and the relation between logic and metaphysics. All these topics are prominent in the work of Robert Stalnaker, a major presence in contemporary philosophy, in honour of whom the volume is published. It also contains a substantial new essay in which Stalnaker replies to his critics, and sets out his current views on the topics discussed. Contributors: Richard Heck, Frank Jackson, William Lycan, Vann McGee, John Perry, Paul Pietroski, Sydney Shoemaker, Scott Soames, Daniel Stoljar, Timothy Williamson, and Stephen Yablo. Lure of the Integers Mar 16 2021 This book describes many interesting and unusual properties of integers.

Similarities Between Landau's Problems Aug 01 2022 Is there any relation between the Goldbach's conjecture and the twin primes conjecture? How many times has this question been asked not only by mathematics students but also by amateurs and even professionals in the discipline. As for the other Landau's two problems, the existence of infinite primes in the form of a square plus unity, and the Legendre's conjecture, are they related to each other or to the other two mentioned problems? Is there a statement whose formulation covers all conjectures and whose proof would prove or disprove them? Do their distributions respond to some well-established concrete phenomenon? This work will give answers to these questions and will open doors to other places already suspected by many addicted to mathematical conjectures. Landau's four problems will be approached by readers with basic knowledge of mathematics (algebra, trigonometry, basic geometry and complex numbers) but without the usual background that characterizes the discipline of number theory. This does not mean that the finding of original conclusions that could shed some light on these conjectures is renounced. This exhibition in its first part will lead us to focus on Goldbach's strong conjecture in a different way and to generalize the conjecture about the existence of infinite twin primes, clarifying the difference between the Kronecker's conjecture and that of Alphonse de Polignac, often confused. The Landau first problem will also be generalized and the well-known Bertrand's postulate on natural integers will be extended to Gaussian integers. All this to finally synthesize the problems in a more adequate

framework, which explains the mechanism to which the distributions of these problems respond. Its second part, through a well-founded speculation on the distribution of primes in two dimensions, either in  $N \times N$  or in  $\mathbb{Z}[i]$ , will deduce how the functions can be that, bounded by intervals, predict the appearance of these prime elements.

**The "Vertical" Generalization of the Binary Goldbach's Conjecture as Applied on "Iterative" Primes with (Recursive) Prime Indexes (i-primeths)** Feb 24 2022 This article proposes a synthesized classification of some Goldbach-like conjectures, including those which are "stronger" than the Binary Goldbach's Conjecture (BGC) and launches a new generalization of BGC briefly called "the Vertical Binary Goldbach's Conjecture" (VBGC), which is essentially a metaconjecture, as VBGC states an infinite number of conjectures stronger than BGC, which all apply on "iterative" primes with recursive prime indexes (i-primeths).

Being Dec 13 2020 For millennia, philosophers have debated about the existence of things - not only the existence of things like God, demons and the soul, but things like mathematical objects, qualities and attributes, or merely possible states of affairs and people. Ontology is the present-day name for the part of philosophy that addresses such questions. Being attempts to answer these old questions-and the question of how one should go about attempting to answer them. This book presents and defends a meta-ontology and an ontology. Quine has taught us to use the word 'ontology' as a label for the part of philosophy that addresses "the ontological question" - 'What is there?' Meta-ontology, then, is the part of philosophy that addresses two questions, 'What is it to be (or to exist)?' and 'How should one attempt to answer the ontological question?' Chapters 1 and 5 are devoted to meta-ontology - Chapter 1 to a defense of the "neo-Quinean" meta-ontology, Chapter 5 to an examination of various alternative meta-ontologies. The essence of neo-Quineanism is that 'x exists' and 'Something is x' and 'The number of things that are x is not 0' mean more or less the same thing'. Neo-Quineanism obviously entails that there are no non-existent things, for nothing is such that nothing is it and everything is such that the number of things identical with it is 1. Chapter 2 is an examination of various positions that imply that there are non-existent things. The topic of Chapter 3 is the ancient "problem of universals," or the problem of the existence and nature of abstract objects. Chapter 4 is devoted to questions concerning possible worlds and other objects belonging to the ontology of modality.

*The Way of Analysis* Jul 20 2021 The Way of Analysis gives a thorough account of real analysis in one or several variables, from the construction of the real number system to an introduction of the Lebesgue integral. The text provides proofs of all main results, as well as motivations, examples, applications, exercises, and formal chapter summaries. Additionally, there are three chapters on application of analysis, ordinary differential equations, Fourier series, and curves and surfaces to show how the techniques of analysis are used in concrete settings.

**How Mathematicians Think** Jul 28 2019 To many outsiders, mathematicians appear to think like computers, grimly grinding away

with a strict formal logic and moving methodically--even algorithmically--from one black-and-white deduction to another. Yet mathematicians often describe their most important breakthroughs as creative, intuitive responses to ambiguity, contradiction, and paradox. A unique examination of this less-familiar aspect of mathematics, *How Mathematicians Think* reveals that mathematics is a profoundly creative activity and not just a body of formalized rules and results. Nonlogical qualities, William Byers shows, play an essential role in mathematics. Ambiguities, contradictions, and paradoxes can arise when ideas developed in different contexts come into contact. Uncertainties and conflicts do not impede but rather spur the development of mathematics. Creativity often means bringing apparently incompatible perspectives together as complementary aspects of a new, more subtle theory. The secret of mathematics is not to be found only in its logical structure. The creative dimensions of mathematical work have great implications for our notions of mathematical and scientific truth, and *How Mathematicians Think* provides a novel approach to many fundamental questions. Is mathematics objectively true? Is it discovered or invented? And is there such a thing as a "final" scientific theory? Ultimately, *How Mathematicians Think* shows that the nature of mathematical thinking can teach us a great deal about the human condition itself.

*Onkel Petros und die Goldbachsche Vermutung* Oct 03 2022  
[Variety in Religion and Science](#) Feb 01 2020 Each day will bring to your recall some person or event in the world of religion or philosophy as well as one from the field of science. Little by little you will become aware of the rich heritage of the human family. And all these are only

samples from the treasure-house of religion and science.

**The Little Book of Maths Theorems, Theories and Things** Oct 30 2019 Mathematics is indeed fun as this little book testifies. This book presents a unique collection of mathematical ideas, theories, theorems, conjectures, rules, facts, equations, formulas, paradoxes, fallacies and puzzles with short, simple and witty explanations that require no background in mathematics.

**Putting Two and Two Together** Feb 12 2021 Putting Two and Two Together is a humorous and quirky collection of unusual, ingenious, and beautiful morsels of mathematics. Authors Burkard Polster (YouTube's Mathologer) and Marty Ross delve into mathematical puzzles and phenomena in engaging stories featuring current events, sports, and history, many flavored with a distinctive bit of Australiana. Each chapter ends with "puzzles to ponder" that will spur further reflection. These stories were written for a general audience, and originally appeared in the Maths Masters column in *The Age* newspaper. The book offers mathematical entertainment for curious readers of all ages, and assumes a minimum of mathematical background. Polster and Ross are masters of the genre this book represents: a cornucopia of offerings, from across the mathematical spectrum. Their articles are entertaining, captivating, and informative, and will appeal to everyone from interested amateurs to old pros. On top of all that, the prose is clear, concise and a lot of fun--happily with a charmingly Aussie flavo(u)r. Crack the spine and enjoy! —Michael Berg, Loyola Marymount University, Los Angeles The American Mathematical Society must be congratulated on publishing a

singularly amusing synthesis of cultural anthropology coupled with mathematical entertainment. —Tushar Das, University of Wisconsin-La Crosse Polster and Ross are as good as the original master, Martin Gardner! They are also as good as that other great popularizer of mathematics, Ian Stewart, who took up Gardner's mantle, and as good as Douglas Hofstadter, who also followed in Gardner's footsteps as popularizers of mathematics within regular columns in "Scientific American", and elsewhere. I recommend this new book very highly! Like Poster and Ross's first collection of columns, it is one that you can happily read from cover to cover, or dip into at any random point, and find treasures. You will then often return, savouring, and often laughing, while also learning, and responding to thoughtful challenges! —John Gough, Deakin University, Geelong, Australia

[Ontological Arguments](#) Jun 06 2020 Ontological arguments are one of the main classes of arguments for the existence of God, and have been influential from the Middle Ages right up until the present time. This accessible volume offers a comprehensive survey and assessment of them, starting with a sequence of chapters charting their history - from Anselm and Aquinas, via Descartes, Leibniz, Kant and Hegel, to Gödel, Plantinga, Lewis and Tichý. This is followed by chapters on the most important topics to have emerged in the discussion of ontological arguments: the relationship between conceivability and possibility, the charge that ontological arguments beg the question, and the nature of existence. The volume as a whole shows clearly how these arguments emerged and developed, how we should think about them, and why they remain important today.