

1. Record Nr.	UNINA9910913780103321
Autore	Agarwal Ravi P
Titolo	Mathematics Before and After Pythagoras : Exploring the Foundations and Evolution of Mathematical Thought // by Ravi P. Agarwal
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2024
ISBN	9783031742248 3031742249
Edizione	[1st ed. 2024.]
Descrizione fisica	1 online resource (678 pages)
Disciplina	510.9
Soggetti	Mathematics History Mathematics - Philosophy Proof theory History of Mathematical Sciences Philosophy of Mathematics Proof Theory and Constructive Mathematics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Preface -- Foreword -- Life and Teaching of Pythagoras -- Numbers and Number Mysticism -- Mathematics, Mathematicians, and Proofs -- Prime Numbers -- Pythagorean Theorem -- Pythagorean Triples -- Pythagorean Figurate Numbers -- Pythagorean Irrationality of Numbers -- Name Index -- Subject Index.
Sommario/riassunto	This book provides the reader with a comprehensive account of the contributions of Pythagoras to mathematics and philosophy, using them as a starting point to compare pre-Pythagorean accomplishments with the myriad mathematical developments that followed. It begins with a thorough study of Pythagoreanism and the early Pythagoreans, including the major events in Pythagoras' life and the origins of the mystical significance attributed by Pythagoreans to natural numbers. From Chapter 3 onward, the book describes how mathematical thinking works and prepares the reader for the subsequent chapters, which cover mathematical logic and proofs, their application to the study of natural and prime numbers, the investigation of Pythagorean triples,

figurative numbers, and irrational numbers, all interwoven with rich historical context. Aimed at students and teachers at all levels, this work is accessible to non-mathematicians as well, with the main prerequisite being an avid curiosity about some of the ideas and thinkers that helped to forge the mathematical world as we know it. Early praises for "Mathematics Before and After Pythagoras": "Your book is charming and fun to read. It would be fine to be able to teach from it." (Steve Krantz, USA) "...your new book, an obvious labor of love... I can see that it will be an inspiration for young students." (Bruce Berndt, USA) "It is an excellent book, and I am deeply grateful for sending it to me. It is an extraordinary gift, and I am so grateful for this." (Carlo Cattani, Italy) "I am really impressed by the wealth of interesting material you have collected and presented." (Rainer Kress, Germany).

2. Record Nr.

Autore

UNINA9911019314003321

Titolo

Windas Tom

Introduction to option-adjusted spread analysis / / Tom Windas ; revised by Tom Miller ; foreword by Peter Wilson

Pubbl/distr/stampa

New York, : Bloomberg Press, 2007

ISBN

9786612686856

9781119204787

111920478X

9781282686854

1282686852

9780470883136

0470883138

Edizione

[Rev. and expanded 3rd ed.]

Descrizione fisica

1 online resource (177 p.)

Collana

Bloomberg Financial ; ; v.46

Altri autori (Persone)

MillerTom <1964->

WindasTom

Disciplina

332.63/2283

Soggetti

Fixed-income securities

Option-adjusted spread analysis

Lingua di pubblicazione

Inglese

Formato

Materiale a stampa

Livello bibliografico

Monografia

Note generali

Description based upon print version of record.

Nota di bibliografia

Includes bibliographical references (p. 153-154) and index.

Nota di contenuto

Introduction to Option-Adjusted Spread Analysis; CONTENTS; Foreword by Peter Wilson; Acknowledgments; Introduction: Why OAS Analysis?; PART ONE Yield Analysis Versus OAS Analysis; CHAPTER 1 Fatal Flaws in Traditional Yield Calculations; CHAPTER 2 The Bond as a Portfolio; PART TWO Valuing Options; CHAPTER 3 Intrinsic Value; CHAPTER 4 Time Value; PART THREE Modeling Interest Rates; CHAPTER 5 Implied Spot and Forward Rates; CHAPTER 6 Beyond the Lognormal Model; CHAPTER 7 Volatility and the Binomial Tree; CHAPTER 8 Matching the Model to the Market; PART FOUR Measuring the Spread CHAPTER 9 Bullet BondsCHAPTER 10 Nonbullet Bonds; PART FIVE Applications of OAS Analysis; CHAPTER 11 Evaluating Performance; CHAPTER 12 Estimating Fair Value; Conclusion: Building a Better OAS; Glossary; References & Additional Reading; Index

Sommario/riassunto

"Explains option-adjusted spread analysis, a method for valuing bonds with options. This book takes readers through each step of the calculation"--Provided by publisher.