

## 50 visions of mathematics

Parc. Sam. editor O Briain, Dara ( 1972-)

Electronic books Popular works.

Monografía

Relax: no one understands technical mathematics without lengthy training but we all have an intuitive grasp of the ideas behind the symbols. To celebrate the 50th anniversary of the founding of the Institute of Mathematics and its Applications (IMA), this book is designed to showcase the beauty of mathematics - including images inspired by mathematical problems - together with its unreasonable effectiveness and applicability, without frying your brain. The book is a collection of 50 original essays contributed by a wide variety of authors. It contains articles by some of the best expositors of

https://rebiunoda.pro.baratznet.cloud:38443/OpacDiscovery/public/catalog/detail/b2FpOmNlbGVicmF0aW9uOmVzLmJhcmF0ei5yZW4vMzA3MDAxNDkDetail/b2FpOmNlbGVicMP0aW9uOmVzLmJhcmF0ei5yZW4vMzA3MDAxDetail/b2FpOmNlbGVicMP0aW9uOmVzLmJhcmF0ei5yZW4vMzA3MDAxDetail/b2FpOmNlbGVicMP0aW9uOmVzLmJhcmF0ei5yZW4vMzA3MDAxDetail/b

**Título:** 50 visions of mathematics edited by Sam Parc; [with a foreword by Dara O Briain]

Editorial: Oxford Oxford University Press 2014

**Descripción física:** 1 online resource (198 pages, 16 pages of plates)

Variantes del título: Fifty visions of mathematics

Bibliografía: Includes bibliographical references

Contenido: Cover; FOREWORD: A BAD MATHEMATICIAN'S APOLOGY; Dara o Briain; PREFACE; CONTENTS; Plates; 1 What's the problem with mathematics?; David Acheson; 2 The mathematics of messages; Alan J. Aw; 3 Decathlon: The art of scoring points; John D. Barrow; 4 Queen Dido and the mathematics of the extreme; Greg Bason; 5 Can strings tie things together?; David Berman; 6 Dimples, grooves, and knuckleballs; Ken Bray; 7 Pigs didn't fly but swine flu; Ellen Brooks-Pollock and Ken Eames; 8 Bill Tutte: Unsung Bletchley hero; Chris Budd; 9 What's the use of a quadratic equation?; Chris Budd and Chris Sangwin 10 Tony Hilton Royle SkyrmeAlan Champneys; 11 The mathematics of obesity; Carson C. Chow; 12 It's a small world really; Tony Crilly; 13 How does mathematics help at a murder scene?; Graham Divall; 14 Mathematics: The language of the universe; Marcus Du Sautoy; 15 The troublesome geometry of CAT scanning; Richard Elwes; 16 The mathematics of sports gambling; Alistair Fitt; PYTHAGORAS'S THEOREM: a2; Hommage Queneau; 17 A conversation with Freeman Dyson; Marianne Freiberger and Rachel Thomas; 18 A glass of bubbly; Paul Glendinning; 19 The influenza virus: It's allin the packaging; Julia Gog 20 Solving the Bristol bridge problemThilo Gross; 21 All ravens are black: Puzzles and paradoxes in probability and statistics; David Hand; 22 The Tower of Hanoi: Where mathematics meets psychology; Andreas M. Hinz and Marianne Freiberger; 23 Career: A sample path; Philip

Holmes; 24 Sweets in the jar; Steve Humble; 25 Mary Cartwright; Lisa Jardine; 26 The fallibility of mathematics; Adam Jasko; 27 Anecdotes of Dr Barrow; Tom Krner; 28 Finding Apollo; Adam Kucharski; 29 The golden ratio in astronomy and astrophysics; Mario Livio; 30 The high-power hypar; Peter Lynch 31 This is not a carrot: Paraconsistent mathematicsMaarten Mckubre-Jordens; 32 The mystery of Groombridge Place; Alexander Masters and Simon Norton; PYTHAGORAS'S THEOREM: b2; Hommage Queneau; 33 Mathematicians at the movies: Sherlock Holmes vs Professor Moriarty; Derek E. Moulton and Alain Goriely; 34 The mysterious number 6174; Yutaka Nishiyama; 35 Percolating possibilities; Colva Roney-Dougal and Vince Vatter; 36 Milestones on a non-Euclidean journey; Caroline Series; 37 Simpson's rule; Simon Singh; 38 Risking your life; David Spiegelhalter; 39 Networks and illusions; Ian Stewart 40 Emmy Noether: Against the oddsDanielle Stretch; 41 Of catastrophes and creodes; Paul Taylor; 42 Conic section hide and seek; Rachel Thomas; 43 Sir James Lighthill: A life in waves; Ahmer Wadee; 44 Fail safe or fail dangerous?; Ahmer Wadee and Alan Champneys; 45 Leapfrogging into the future: How child's play is at the heart of weather and climate models; Paul Williams; 46 Motorway mathematics; Eddie Wilson; 47 The philosophy of applied mathematics; Phil Wilson; 48 Mighty morphogenesis; Thomas Woolley; 49 Called to the barcode; Andrew Wrigley; 50 Roughly fifty-fifty?; Gunter M. Ziegler

Copyright/Depósito Legal: 884547693 908079690 1058477043 1124398665 1295916770 1295940488

**ISBN:** 9780191005336 electronic bk.) 0191005339 electronic bk.) 1306980143 ebk) 9781306980142 ebk) 9780191005343 electronic bk.) 0191005347 electronic bk.) 9780198701811 0198701810

**Materia:** Mathematics- Popular works Mathématiques- Ouvrages de vulgarisation MATHEMATICS- Essays. MATHEMATICS- Pre-Calculus. MATHEMATICS- Reference. Mathematics. Mathematik. Unterhaltungsmathematik. Angewandte Mathematik.

Autores: Parc, Sam, editor O Briain, Dara (1972-)

Enlace a formato físico adicional: Print version 50 visions of mathematics 9780198701811 (OCoLC)863194800

## **Baratz Innovación Documental**

- Gran Vía, 59 28013 Madrid
- (+34) 91 456 03 60
- informa@baratz.es