

The DOLCIANI MATHEMATICAL EXPOSITIONS series of the Mathematical Association of America was established through a generous gift to the Association from Mary P. Dolciani, Professor of Mathematics at Hunter College of the City University of New York. In making the gift, Professor Dolciani, herself an exceptionally talented and successful expositor of mathematics, had the purpose of furthering the ideal of excellence in mathematical exposition.

The Association, for its part, was delighted to accept the gracious gesture initiating the revolving fund for this series from one who has served the Association with distinction, both as a member of the Committee on Publications and as a member of the Board of Governors. It was with genuine pleasure that the Board chose to name the series in her honor.

The books in the series are selected for their lucid expository style and stimulating mathematical content. Typically, they contain an ample supply of exercises, many with accompanying solutions. They are intended to be sufficiently elementary for the undergraduate and even the mathematically inclined high-school student to understand and enjoy, but also to be interesting and sometimes challenging to the more advanced mathematician.

1. *Mathematical Gems*, Ross Honsberger
2. *Mathematical Gems II*, Ross Honsberger
3. *Mathematical Morsels*, Ross Honsberger
4. *Mathematical Plums*, Ross Honsberger (ed.)
5. *Great Moments in Mathematics (Before 1650)*, Howard Eves
6. *Maxima and Minima without Calculus*, Ivan Niven
7. *Great Moments in Mathematics (After 1650)*, Howard Eves
8. *Map Coloring, Polyhedra, and the Four-Color Problem*, David Barnette
9. *Mathematical Gems III*, Ross Honsberger
10. *More Mathematical Morsels*, Ross Honsberger
11. *Old and New Unsolved Problems in Plane Geometry and Number Theory*, Victor Klee and Stan Wagon
12. *Problems for Mathematicians, Young and Old*, Paul R. Halmos
13. *Excursions in Calculus: An Interplay of the Continuous and the Discrete*, Robert M. Young
14. *The Wohascum County Problem Book*, George T. Gilbert, Mark Krusemeyer, and Loren C. Larson
15. *Lion Hunting and Other Mathematical Pursuits: A Collection of Mathematics, Verse, and Stories by Ralph P. Boas, Jr.*, edited by Gerald L. Alexanderson and Dale H. Mugler
16. *Linear Algebra Problem Book*, Paul R. Halmos
17. *From Erdős to Kiev: Problems of Olympiad Caliber*, Ross Honsberger

18. *Which Way Did the Bicycle Go? ... and Other Intriguing Mathematical Mysteries*, Joseph D. E. Konhauer, Dan Velleman, and Stan Wagon
19. *In Pólya's Footsteps: Miscellaneous Problems and Essays*, Ross Honsberger
20. *Diophantus and Diophantine Equations*, I. G. Bashmakova (Updated by Joseph Silverman and translated by Abe Shenitzer)
21. *Logic as Algebra*, Paul Halmos and Steven Givant
22. *Euler: The Master of Us All*, William Dunham
23. *The Beginnings and Evolution of Algebra*, I. G. Bashmakova and G. S. Smirnova (Translated by Abe Shenitzer)
24. *Mathematical Chestnuts from Around the World*, Ross Honsberger
25. *Counting on Frameworks: Mathematics to Aid the Design of Rigid Structures*, Jack E. Graver
26. *Mathematical Diamonds*, Ross Honsberger
27. *Proofs that Really Count: The Art of Combinatorial Proof*, Arthur T. Benjamin and Jennifer J. Quinn
28. *Mathematical Delights*, Ross Honsberger
29. *Conics*, Keith Kendig
30. *Hesiod's Anvil: falling and spinning through heaven and earth*, Andrew J. Simoson
31. *A Garden of Integrals*, Frank E. Burk
32. *A Guide to Complex Variables* (MAA Guides #1), Steven G. Krantz
33. *Sink or Float? Thought Problems in Math and Physics*, Keith Kendig
34. *Biscuits of Number Theory*, Arthur T. Benjamin and Ezra Brown
35. *Uncommon Mathematical Excursions: Polynomia and Related Realms*, Dan Kalman
36. *When Less is More: Visualizing Basic Inequalities*, Claudi Alsina and Roger B. Nelsen
37. *A Guide to Advanced Real Analysis* (MAA Guides #2), Gerald B. Folland
38. *A Guide to Real Variables* (MAA Guides #3), Steven G. Krantz
39. *Voltaire's Riddle: Micromégas and the measure of all things*, Andrew J. Simoson
40. *A Guide to Topology*, (MAA Guides #4), Steven G. Krantz
41. *A Guide to Elementary Number Theory*, (MAA Guides #5), Underwood Dudley
42. *Charming Proofs: A Journey into Elegant Mathematics*, Claudi Alsina and Roger B. Nelsen
43. *Mathematics and Sports*, edited by Joseph A. Gallian
44. *A Guide to Advanced Linear Algebra*, (MAA Guides #6), Steven H. Weintraub

45. *Icons of Mathematics: An Exploration of Twenty Key Images*, Claudi Alsina and Roger B. Nelsen
46. *A Guide to Plane Algebraic Curves*, (MAA Guides #7), Keith Kendig
47. *New Horizons in Geometry*, Tom M. Apostol and Mamikon A. Mnatsakanian
48. *A Guide to Groups, Rings, and Fields*, (MAA Guides #8), Fernando Q. Gouvêa
49. *A Guide to Functional Analysis*, (MAA Guides #9), Steven G. Krantz
50. *A Mathematical Space Odyssey: Solid Geometry in the 21st Century*, Claudi Alsina and Roger B. Nelsen
51. *Varieties of Integration*, C. Ray Rosentrater

MAA Service Center
P.O. Box 91112
Washington, DC 20090-1112
1-800-331-1MAA FAX: 1-301-206-9789