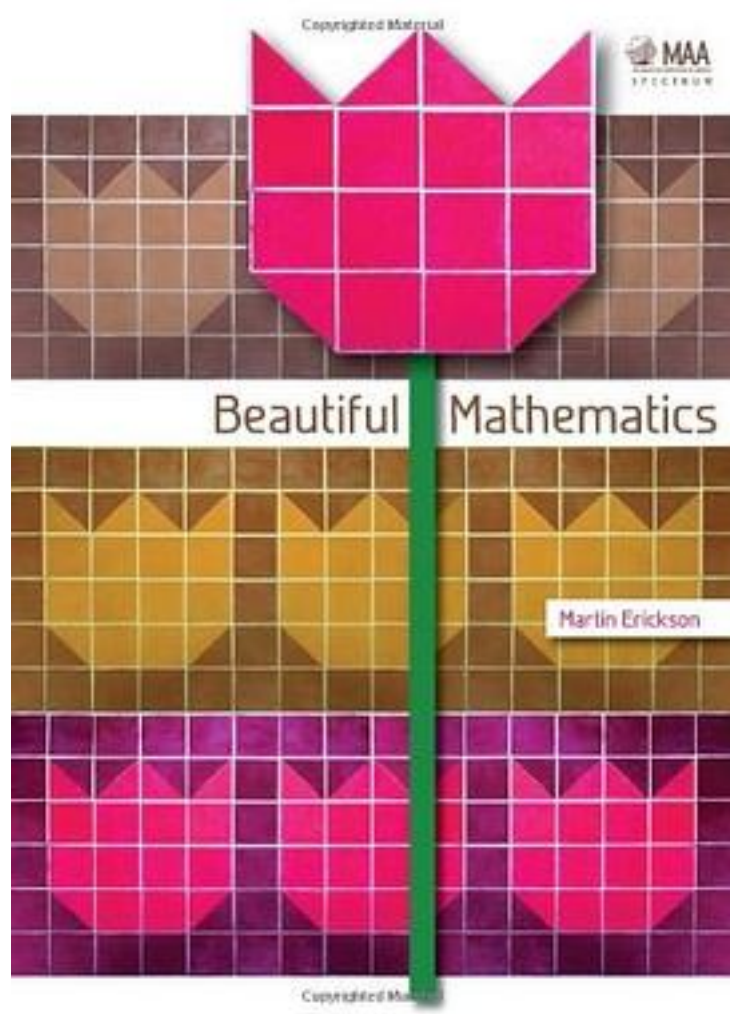# Beautiful Mathematics

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出版者:Mathematical Association of America

出版时间:2011-11-28

装帧:Hardcover

isbn:9780883855768

Mathematical ideas have an aesthetic appeal that can be appreciated by anyone who

has the time and dedication to investigate. Mathematical topics are presented in the categories of words, images, formulas, theorems, proofs, solutions and unsolved problems. Readers will discover exciting mathematics topics from complex numbers to arithmetic progressions, from Alcuin's sequence to the zeta function, and from hypercubes to infinity squared. Who should read this book? There is something new for any mathematically minded person. High school and college students will find motivation for their mathematical studies. Professional mathematicians will find fresh examples of mathematical beauty to pass along to others. Within each chapter, the topics require progressively more prerequisite knowledge. An appendix gives background definitions and theorems, while another gives challenging exercises (with solutions).

作者介绍:

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