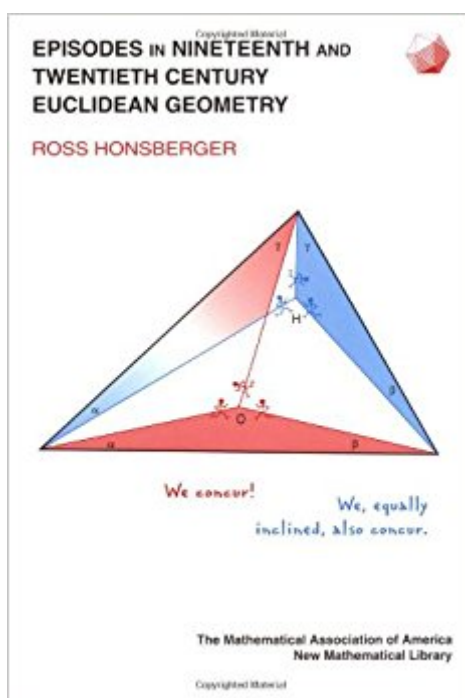


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Episodes In Nineteenth And Twentieth Century Euclidean Geometry (Anneli Lax New Mathematical Library)



Synopsis

Professor Honsberger has succeeded in 'finding' and 'extricating' unexpected and little known properties of such fundamental figures as triangles, results that deserve to be better known. He has laid the foundations for his proofs with almost entirely synthetic methods easily accessible to students of Euclidean geometry early on. While in most of his other books Honsberger presents each of his gems, morsels, and plums, as self contained tidbits, in this volume he connects chapters with some deductive treads. He includes exercises and gives their solutions at the end of the book. In addition to appealing to lovers of synthetic geometry, this book will stimulate also those who, in this era of revitalizing geometry, will want to try their hands at deriving the results by analytic methods. Many of the incidence properties call to mind the duality principle; other results tempt the reader to prove them by vector methods, or by projective transformations, or complex numbers.

Book Information

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Customer Reviews

The book seems to have been written in a similar vein to C. Stanley Ogilvy's "Excursions through Geometry".i.e. it shows up some of the beauty of the subject in a reasonably clear and concise way, without being too high brow.The subject can often get cluttered by an excessive concentration on technical detail, which means it is hard to see the forest from the trees.This book keeps the beauty of the "big picture" of geometry before the reader and so keeps it interesting.

Had to buy this book for my Geometry class. It was delivered quickly. Unfortunately we didn't even use it in class but it's still a great resource!

Ross Honsberger presents the articles of modern euclidean geometric properties in a way that is easy to follow and understand. The method of proofs and development of ideas illustrate different solving strategies which is valuable for self-studying young students. With the help of simple diagrams, I found no difficulties in understanding the articles. Problems are well-graded with solutions are well-presented at the back. A MUST-READ book for students participating maths contest!

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