



Edmond Halley's Reconstruction of the Lost Book of Apollonius's Conics [Translation and Commentary /

Fried, Michael N.

Springer New York :

Imprint: Springer,

2012

Monografía

Apollonius's Conics was one of the greatest works of advanced mathematics in antiquity. The work comprised eight books, four of which have come down to us in their original Greek and three in Arabic. By the time the Arabic translations were produced, the eighth book had already been lost. In 1710, Edmond Halley, then Savilian Professor of Geometry at Oxford, produced an edition of the Greek text of the Conics of Books I-IV, a translation into Latin from the Arabic versions of Books V-VII, and a reconstruction of Book VIII. Motivated by such questions as what role did Halley's reconstruction play in the mathematical world of the late 17th and early 18th century? and what did Halley see himself learning from engaging with mathematicians such as Apollonius?, Michael Fried's work provides the first complete English translation of Halley's reconstruction of Book VIII with supplementary notes on the text. The volume also contains an introduction discussing aspects of Apollonius's Conics, an investigation of Edmond Halley's understanding of the nature of his venture into ancient mathematics, and appendices giving brief accounts of Apollonius's approach to conic sections and his mathematical techniques. This book will be of great interest to students and researchers interested in the history of ancient Greek mathematics and mathematics in the early modern period.

<https://rebiunoda.pro.baratznet.cloud:38443/OpacDiscovery/public/catalog/detail/b2FpOmNlbGVicmF0aW9uOmVzLmJhcmF0ei5yZW4vNjg1NjA3MQ>

Título: Edmond Halley's Reconstruction of the Lost Book of Apollonius's Conics [Recurso electrónico] Translation and Commentary by Michael N. Fried

Editorial: New York, NY Springer New York Imprint: Springer 2012

Descripción física: X, 134 p.

Mención de serie: Sources and Studies in the History of Mathematics and Physical Sciences Springer eBooks

Contenido: I. Introduction -- 1. Edmond Halley: Ancient and Modern -- 2. Apollonius's Conics -- 3. The Path to Halley -- 4. Halley's General Strategy for Reconstructing Conics, Book VIII -- 5. Halley's Dialogue with the Past. -6. A Note on the Translation-II. Apollonius of Perga's On Conics: Book Eight Restored -- III.Synopsis and

Appendices.-Synopsis of the Contents of Halley's Conics, Book VIII.-Appendix 1: Terminology and Notions from Greek Mathematics.-Appendix 2: Hippocrates' First Quadrature of a Lune.-References.-Index

Detalles del sistema: Forma de acceso: World Wide Web

ISBN: 9781461401469

Entidades: SpringerLink

Baratz Innovación Documental

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