Record Nr. UNINA9910299772503321 Mathematizing Space: The Objects of Geometry from Antiquity to the **Titolo** Early Modern Age / / edited by Vincenzo De Risi Pubbl/distr/stampa Cham:,: Springer International Publishing:,: Imprint: Birkhäuser,, 2015 **ISBN** 3-319-12102-2 Edizione [1st ed. 2015.] 1 online resource (320 p.) Descrizione fisica Collana Trends in the History of Science, , 2297-2951 Disciplina 516.009 Soggetti Mathematics History Geometry History of Mathematical Sciences History of Science Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali Nota di bibliografia Includes bibliographical references at the end of each chapters and index. Nota di contenuto Vincenzo De Risi: Introduction -- Henry Mendell: What's location got to do with it? Place, Space, and the Infinite in Classical Greek Mathematics -- Jeremy Gray: A note on lines and planes in Euclid's geometry --Alexander Jones: Theon of Smyrna and Ptolemy on Celestial Modelling in Two and Three Dimensions -- David Rabouin: Proclus' Conception of Geometric Space and its Actuality -- Franco Farinelli: Subject, Space, Object: The Birth of Modernity -- Gary Hatfield: On Natural Geometry and Seeing Distance Directly in Descartes -- Douglas Jesseph: Hobbes's Theory of Space -- Andrew Janiak: Mathematics and Infinity in Descartes and Newton -- Daniel Garber: Leibniz's Transcendental Aesthetic -- Graciela De Pierris: Hume's Skepticism and Inductivism concerning Space and Geometry -- Michael Friedman: Kant on Geometry and Experience. Sommario/riassunto This book brings together papers of the conference on 'Space, Geometry and the Imagination from Antiquity to the Modern Age' held in Berlin, Germany, 27-29 August 2012. Focusing on the interconnections between the history of geometry and the philosophy of space in the pre-Modern and Early Modern Age, the essays in this

volume are particularly directed toward elucidating the complex epistemological revolution that transformed the classical geometry of figures into the modern geometry of space. Contributors: Graciela De Pierris Franco Farinelli Michael Friedman Daniel Garber Jeremy Gray Gary Hatfield Andrew Janiak Douglas Jesseph Alexander Jones Henry Mendell David Rabouin.