

1. Record Nr.	UNINA9910300254503321
Titolo	Research in History and Philosophy of Mathematics : The CSHPM 2014 Annual Meeting in St. Catharines, Ontario / / edited by Maria Zack, Elaine Landry
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Birkhäuser, , 2015
ISBN	3-319-22258-9
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (200 p.)
Collana	Proceedings of the Canadian Society for History and Philosophy of Mathematics/ Société canadienne d'histoire et de philosophie des mathématiques, , 2366-3316
Disciplina	510
Soggetti	Mathematics History Science - Philosophy History of Mathematical Sciences Philosophy of Science
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	Falconer's Cryptology -- Is Mathematics to Be Useful? The Case of de la Hire, Fontenelle, and the Epicycloid -- The Rise of "the Mathematical": Placing Maths into the Hands of Practitioners—The Invention and Popularization of Sectors and Scales -- Early Modern Computation on Sectors -- The Eighteenth-Century Origins of the Concept of Mixed-Strategy Equilibrium in Game Theory -- Reassembling Humpty Dumpty: Putting George Washington's Cyphering Manuscript Back Together Again -- Natures of Curved Lines in the Early Modern Period and the Emergence of the Transcendental -- Origins of the Venn Diagram -- Mathematics for the World: Publishing Mathematics and the International Book Trade, Macmillan and Co. -- The Influence of Arthur Cayley and Alfred Kempe on Charles Peirce's Diagrammatic Logic -- Émile Borel et Henri Lebesgue: HPM -- The Judicial Analogy for Mathematical Publication -- History and Philosophy of Mathematics at the 1924 International Mathematical Congress in Toronto.

## Sommario/riassunto

This volume contains thirteen papers that were presented at the 2014 Annual Meeting of the Canadian Society for History and Philosophy of Mathematics/La Société Canadienne d'Histoire et de Philosophie des Mathématiques, held on the campus of Brock University in St. Catharines, Ontario, Canada. It contains rigorously reviewed modern scholarship on general topics in the history and philosophy of mathematics, as well as on the meeting's special topic, Early Scientific Computation. These papers cover subjects such as •Physical tools used by mathematicians in the seventeenth century •The first historical appearance of the game-theoretical concept of mixed-strategy equilibrium •George Washington's mathematical cyphering books •The development of the Venn diagram •The role of Euler and other mathematicians in the development of algebraic analysis •Arthur Cayley and Alfred Kempe's influence on Charles Peirce's diagrammatic logic •The influence publishers had on the development of mathematical pedagogy in the nineteenth century •A description of the 1924 International Mathematical Congress held in Toronto, told in the form of a "narrated slide show" Written by leading scholars in the field, these papers will be accessible to not only mathematicians and students of the history and philosophy of mathematics, but also anyone with a general interest in mathematics. .

---