1.	Record Nr.	UNINA9910485026003321
	Titolo	Research in History and Philosophy of Mathematics [[electronic resource] ] : The CSHPM 2018 Volume / / edited by Maria Zack, Dirk Schlimm
	Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Birkhäuser, , 2020
	ISBN	3-030-31298-4
	Edizione	[1st ed. 2020.]
	Descrizione fisica	1 online resource (XIII, 172 p. 20 illus., 4 illus. in color.)
	Collana	Proceedings of the Canadian Society for History and Philosophy of Mathematics/ Société canadienne d'histoire et de philosophie des mathématiques, , 2366-3308
	Disciplina	510.1
	Soggetti	Mathematics
		History
		Mathematics—Philosophy
		History of Mathematical Sciences
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Nota di contenuto	Rickey: Professor Bolesaw Sobociski and Logic at Notre Dame Lovsted: Fred Sommers' Notations for Aristotelian Logic Jarry:
		L'equivalence duale de categories: a third way of analogy? Pérez- Escobar: Mathematical Modelling and Teleology in Biology Pelland: Arithmetic, Culture, and Attention Lavers: Did Frege Solve One of Zeno's Paradoxes? Ackerberg-Hastings: Charles Davies as a Philosopher of Mathematics Education Godard and De Boer: Gauss et le modèle du champ magnétique terrestre Barnett: A Gaussian Tale for the Classroom: Lemniscates, Arithmetic-Geometric Means, and More Baltus: Philippe de la Hire: Was he Desargues' Schüler? .

volume begins with an exposition of the life and work of Professor Bolesaw Sobociski. It then moves on to cover a collection of topics about twentieth-century philosophy of mathematics, including Fred Sommers's creation of Traditional Formal Logic and Alexander Grothendieck's work as a starting point for discussing analogies between commutative algebra and algebraic geometry. Continuing the focus on the philosophy of mathematics, the next selections discuss the mathematization of biology and address the study of numerical cognition. The volume then moves to discussing various aspects of mathematics education, including Charles Davies's early book on the teaching of mathematics and the use of Gaussian Lemniscates in the classroom. A collection of papers on the history of mathematics in the nineteenth century closes out the volume, presenting a discussion of Gauss's "Allgemeine Theorie des Erdmagnetismus" and a comparison of the geometric works of Desargues and La Hire. Written by leading scholars in the field, these papers are accessible not only to mathematicians and students of the history and philosophy of mathematics, but also to anyone with a general interest in mathematics.