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Philosophy of Mathematics, General Works (460). Mathematical Explanation* (144)Gianluca Longa. Philosophy of Mathematics, Misc (627). History/traditions: Philosophy of Mathematics. History: Philosophy of Mathematics (393). Ancient Greek and Roman Philosophy of Mathematics (8). Medieval Philosophy of Mathematics (18). Hobbes: Philosophy of Mathematics (26). Wittgenstein on Gödelian 'Incompleteness', Proofs and Mathematical Practice: Reading Remarks on the Foundations of Mathematics, Part I, Appendix III, Carefully. Wolfgang Kienzler & Sebastian Sunday Grève - 2016 - In Sebastian Sunday Grève & Jakub Mácha (eds.), Wittgenstein and the Creativity of Language. Philosophy of mathematics does not coincide as such with the research on the foundations of mathematics. This confluence, however, occurred at the beginning of the twentieth century, in the framework of the efforts spent for overcoming the "crisis" produced by the discovery of the antinomies. Hilbert's formalism became soon the dominant view in this connection, that had also its philosophical counterpart in the conception of mathematics as a complex of pure formal systems devoid of specific meanings and referents. Agazzi has constantly opposed formalism, relying especially on philosophical ref L.E.J. Brouwer: Collected Works, Volume 1: Philosophy and Foundations of Mathematics focuses on the principles, operations, and approaches promoted by Brouwer in studying the philosophy and foundations of mathematics. The publication first ponders on the construction of mathematics. The book then examines mathematics and experience and mathematics and logic. Topics include denumerably unfinished sets, continuum problem, logic of relations, consistency proofs for formal systems independent of their interpretation, infinite numbers, and problems of space and time. The text is a valuable reference for students, mathematicians, and researchers interested in the contributions of Brouwer in the studies on the philosophy and foundations of mathematics. Read More.