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The Algebra of Logic (Classic Reprint)

By Louis Louis Couturat

Forgotten Books, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Excerpt from The Algebra of Logic Mathematical Logic is a necessary preliminary to logical Mathematics. Mathematical Logic is the name given by Peano to what is also known (after Venn) as Symbolic Logic ; and Symbolic Logic is, in essentials, the Logic of Aristotle, given new life and power by being dressed up in the wonderful - almost magical - armour and accoutrements of Algebra. In less than seventy years, logic, to use an expression of De Morgan s, has so thriven upon symbols and, in consequence, so grown and altered that the ancient logicians would not recognize it, and many old-fashioned logicians will not recognize it. The metaphor is not quite correct: Logic has neither grown nor altered, but we now see more of it and more into it. The primary significance of a symbolic calculus seems to lie in the economy of mental effort which it brings about, and to this is due the characteristic power and rapid development of mathematical knowledge. Attempts to treat the operations of formal logic in an analogous way had...



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