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Type: Manuscript
Author: Peirce, Charles Sanders
Title: On the Logic of Quantity
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Abstract / Robin Catalogue:

Description: A. MS., n.p., [c.1895], pp. 1-13; 7-12, with an alternative p. 8 of another draft.

The principal questions raised are these: Why mathematics always deals with a system of quantity, what the different systems of quantity are and how they are characterized, and what the logical nature of infinity is. The relationship of logic and metaphysics to the three categories of Firstness, Secondness, and Thirdness. Singular, dual, and plural facts. Chaldean metaphysics; chaos to determinacy; the evolutionary process. Postulates of mathematical logic (pp. 7-12).

Keywords: Mathematics, Systems of Quantity, Philosophy, Logic, Metaphysics, Special Observational Sciences, Special Science, Psychical Science, Physical Science, Nomological Science, Classificatory Science, Descriptive Science, Arts, Categories, Quality, Actuality, Law, First, Second, Third, Medium, Otherness, Firstness, Secondness, Thirdness, Idea, Fact, Evolution, Artist, Practical Man, Philosopher, Singular fact, Dual Fact, Relation of Reason, Real Relation, Individual, Identity, Likeness, Plural Fact, Chaldean Metaphysics, Chaos, Partial Determination, Triplicity, Term, Proposition, Mathematics of Logic, Principle of Identity, Falsity, Principle of Contradiction, Principle of Excluded Middle, Function, Equivalence, Copula of Inclusion, Nota Notae, Principle of the Transitivity of the Copula, Principle of Reasoning from Definition to Definitum, Principle of Hypothetic Syllogism, Principle of the Dilemma

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