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

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Several definitions of “mathematics,” including Aristotle’s and CSP’s. Mathematical proof and probable reasoning; the system and scale of quantity; the importance of quantity for mathematics. But to grasp the nature of mathematics is to grasp the three elements, which, with regard to consciousness, are feeling, consciousness of opposition, and consciousness of the clustering of ideas into sets. Recognition of the three elements in the three kinds of signs logicians employ. An analysis of the syllogism.

Keywords: Mathematics, Aristotle, Mathematical Hypothesis, Diagrammatic Embodiment, Diagram, Inherential Diagram, Imputational Diagram, Probable Reasoning, Probability, Experience, Deductive Reasoning, Syllogism, Scale of Quantity, Hume, Contiguity, Idea, Vividness, Dimness, Clustering of Ideas, Feeling, Consciousness of Duality, Perception, Imagination, Attention, Desire, Suggestiveness, Inner World, Outer World, Nature, Resemblance, Reason, Evolution of Forms, Metaphysics, Quality, Dual Relation, Mediation, Plural Relation, Sign, Representamen, Icon, Noumenon, Index, Symbol, Assertion, Definition, Familiarity, Clearness, Distinctness, Proper Name, Number, Will, Intuition

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