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**Type:** Article in Journal

**Author:** Herron, Timothy

**Title:** C. S. Peirce's Theories of Infinitesimals

**Year:** 1997

**Journal:** Transactions of the Charles S. Peirce Society

**Volume:** 33

**Issue:** 3

**Pages:** 590-645

**Keywords:** Infinitesimal

**Abstract:** Looks at the various attempts made by philosopher Charles S. Peirce at formulating a theory of infinitesimals. Comparison between the theories of Peirce and the modern versions of mathematical logic and infinitesimals; Philosophical importance of set theory, continuity and infinitesimals; Roles of synechismin Peirce's philosophy.

**ISSN:** 00091774

**Language:** English