

Record in the Commens Bibliography. Retrieved from http://www.commens.org/bibliography/journal_article/havenel-j%C3%A9r%C3%B4me-2008-peirces-clarifications-continuity, 13.07.2024.

Type: Article in Journal

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Title: Peirce's Clarifications of Continuity

Year: 2008

Journal: Transactions of the Charles S. Peirce Society

Volume: 44

Issue: 1

Pages: 86-133

Keywords: Continuity, Mathematical continuity

Abstract: The article discusses Charles S. Peirce's mathematical and philosophical concept of continuity. The author examines the manuscripts written by Peirce, including "Some Consequences of Four Incapacities," "A Guess at the Riddle," and "The Simplest Mathematics," which were written in five different periods, including the Pre-Cantorian Period until 1884, Cantorian Period from 1884-1894, and Kantian Period from 1895-1908. It reveals that considering Peirce's view on continuity plays essential role in understanding continuity by mathematicians and philosophers.

ISSN: 00091774

Language: English