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<http://www.commens.org/bibliography/monograph/zalamea-fernando-2012-peirce%E2%80%99s-logic-continuity-conceptual-and-mathematical>, 06.01.2026.

Type: Monograph

Title: Peirce's Logic of Continuity: A Conceptual and Mathematical Approach

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Year: 2012

Publisher: Docent Press

Abstract: Peirce's logic of continuity is explored from a double perspective: (i) Peirce's original understanding of the continuum, alternative to Cantor's analytical Real line, (ii) Peirce's original construction of a topological logic – the existential graphs – alternative to the algebraic presentation of propositional and first-order calculi. Peirce's general architectonics, oriented to back-and-forth hierarchical crossings between the global and the local, is reflected with great care both in the continuum and the existential graphs.

Language: English

Keywords: Continuum, Continuity, Existential Graph, Topological Logic