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The mathematical discourse: ideogram and natural language. (Spanish. English, Spanish summary)

Mathesis 10 (1994), no. 3, 235–254.

The aim of this paper is to analyze the specific role of ideograms in mathematical practice. In contrast with the formalist tradition and following the lines suggested mainly by C. S. Peirce, the author stresses the creative power of ideograms as the real “experience” of mathematics. Phonological language is needed to link and supplement these constitutive experiences, but cannot substitute for them. A sound knowledge of the history of mathematics is required to follow the paper in full detail.

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