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Warrinnier, A. (B-KUL)

La mathématique entre le langage et le sens. (French) [Mathematics between language and meaning]

Festschrift for Georges Papy.

Bull. Soc. Math. Belg. Sér. A 44 (1992), no. 2, 223–243.

The aim of this paper is to suggest a “scientific theory of sense, meaning and interpretation” of mathematical language, stressing the unifying role of mathematics as a common field of formal reasoning and experience across the special sciences. The author highlights the decisive function of mathematics in the formation of rational thought, providing the forms which render possible all reflection upon reasoning. The paper relies heavily upon Jean Ladrière’s philosophy of language, and it assigns a primordial role to set theory as the basis of all mathematical building.

{For the entire collection see MR1319390 (95i:00038)}

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