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ON THE PROBLEMATIC MEANING
OF THE PRINCIPLE OF EXCLUDED-MIDDLE
Linguistic Nature and Concrete Sense of the Principle
from L.E.J. Brouwer's Intuitionistic Point of View

Abstract

The declaration of the unreliability of the principle of excluded middle is the most glaring fact of Intuitionistic theory. The claim of this research is, on the one hand, to point out the fundamental thesis of the intuitionistic refusal of the principle, that is the matter involving that principle having no value according to Brouwer's intuitionism; and, on the other hand, to say what an analysis of that principle *theoretically* involves whether it leaves out its *intrinsically* and *externally* linguistic value.

In particular, the exposition of the real mystic *Weltanschauung* of Brouwer's Intuitionism has allowed to point out the reasons why the principle has been consumed and to grasp the farthest and only matter able to explain that refusal, making clear the relationship between excluded middle and language and excluded middle and mathematics. This paper, which is divided into three parts, tries to show, on the one hand, the places where the intuitionistic refusal of the principle of excluded middle can be sought and found, and, on the other hand, it points out the issues of intuitionistic philosophy and mathematics and finds the specific meaning and the way of that negation. On this view, I have found that the Brouwer's Intuitionism plays an important part to specify *the concrete sense and the nature* of the principle of excluded middle: his fundamental linguistic nature, out of which it seems to be fated to the nonsense, that same nature which gives it its deep problematic nature back.