

# Synthéticité et intuition en mathématiques contemporaines : Kant au-delà de Kant

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## Résumé

**Mots clé:** mathématiques; intuition; logic; synthesis; Kant; Bolzano; Dedekind

## Abstract

The aim of this text is to contribute to a reevaluation of the heritage of the Kantian philosophy of mathematics. We know that indeed the intuitive paradigm of the *Critique of Pure Reason* very quickly appeared to be out of step with the direction taken by the mathematical science. Our hypothesis is that Kant himself was the first to be conscious of this fact. Using the idea of a “pure intellectual synthesis” developed by the philosopher in his correspondence about arithmetic, we will show how such a reworked paradigm is able to better render the later mathematical practise, going over the opposition between logical analytic and intuitive synthesis. We will test this hypothesis in a reading of Bolzano’s and Dedekind’s works.

**Keywords:** Mathematics; intuition; logic; synthesis; Kant; Bolzano; Dedekind

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SEPTIEMBRE  
2016

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