

A Defence of Mathematical Pluralism

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Abstract

We approach the philosophy of mathematics via an analysis of mathematics as it is practised. This leads us to a classification in terms of four concepts, which we define and illustrate with a variety of examples. We call these concepts background conventions, context, content, and intuition.

Keywords: realism, anti-realism, contextualism, constructive mathematics, bivalent logic, existence

Subjects: [Specific Sciences: Mathematics](#)
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