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Turing formalised the intuitive notion of computable causality via the notion of the oracle Turing machine. The model is applicable to much of the real world, including basic Newtonian mechanics. But mathematically, definability over computable structures in formalised natural language takes us beyond the computable. We look at the extent to which this simple mathematics, and the rich mathematical theory of incomputability built on it, is relevant in a real context.

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IMAGINARY LOGIC AND THE LOGIC OF IMAGINATION

This article shows the main differences between imaginary logic proposed by N.A. Vasiliev (1910) and the logic of imagination proposed by I. Niiniluoto (1985). Moreover, it argues that the combined logics of imagination proposed by Costa-Leite (2010) are able to unify both approaches because they contain operators to deal with “it is imagined that...” and “it is conceived that...” at the same time. In this sense, they also show that the imaginary worlds proposed by Vasiliev are, indeed, worlds of conception.

Work supported by FINATEC, Brasilia, Brazil.