Potential Collections

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Resumo: The existence of potential collections has been and continues to be the subject of different debates in the philosophy of mathematics. For instance, Brouwer argued for the potential infinity of the collection of all numbers and more recently, Dummett argued for the indefinite extensibility of the collection of all sets. In this talk, I begin by revising these arguments as well as the Cantorian notion of *mathematical freedom*. I will then defend two claims. First, I argue that mathematical freedom allows us to understand the collection of all numbers and that of all sets as being actual. Second, I argue that this same freedom motivates an unlimited understanding of the mathematical universe.

palavras-chave: Potential Infinity; Indefinite Extensibility; Unlimited.

Referências

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