

# **Conceptual Complexity and Algorithmic Information**

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In this essay we propose that the fundamental philosophical concept of conceptual complexity is captured mathematically by the notion of algorithmic information content, and we discuss the complexity of physical and mathematical theories, the complexity of biological mutations, and the most complex system in biology, the human brain. These are steps in the direction of a mathematical philosophy, by which we mean a mathematical approach to philosophical questions, not a philosophy of mathematics.