

Universal Constants in Mathematics

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Abstract: *Universal constants in mathematics are fundamental values that appear consistently across various branches of mathematics and science. These constants, such as π (pi), e (Euler's number), and the golden ratio (ϕ), have profound implications in theoretical and applied mathematics. This research paper explores the nature, significance, and applications of these constants. By examining historical context, mathematical properties, and the impact on scientific discoveries, this study provides a comprehensive understanding of universal constants. Through a detailed literature review and methodological analysis, the paper aims to highlight the essential role of these constants in the advancement of mathematical knowledge and scientific innovation.*

Keywords: Universal constants