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## Transcendence of Periods: The State of the Art

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**Keywords:** Periods, transcendental numbers, irrationality, integrals, series, Diophantine approximation, irrationality measures, transcendence measures, measures of algebraic independence, Gamma function, Beta function, zeta function, multiple zeta values (MZV).

## AMS subject classifications 11J81 11J86 11J89

**Abstract:** The set of real numbers and the set of complex numbers have the power of continuum. Among these numbers, those which are "interesting", which appear "naturally", which deserve our attention, form a countable