

Holonomic constants and the equality decision problem

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Flajolet and Vallée introduced the notion of *holonomic constants*, i.e., the numbers which can be expressed as limits of holonomic series. Algebraic numbers and lots of mathematical constants, e.g. π , e , $\log 2$, $\frac{1}{\pi}$, etc., are holonomic constants. Periods, introduced by Kontsevich and Zagier, are also holonomic constants.

In this talk, we discuss the equality decision problems and try to formulate a Kontsevich-Zagier type conjecture for holonomic constants.

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