ID de Contribution: **3**   Type: **Non spécifié**

The Arithmetic of Power Series and Applications to Irrationality

lundi 9 octobre 2023 14:00 (1 heure)

In this talk, we will discuss various irrationality and linear independence problems including the irrationality of 2-adic zeta value at 5. The proofs use an arithmetic holonomicity theorem, the special case of which was used in the proof of the unbounded denominators conjecture; arithmetic holonomicity theorems have also been studied in the recent work of Bost and Charles. This is a joint work in progress with Frank Calegari and Vesselin Dimitrov.

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