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Fakultät für Mathematik

## Mathematisches Kolloquium

Mittwoch, 14. Mai 2025

Sky Lounge

### EINLADUNG

**Annette Huber-Klawitter**

(Universität Freiburg)

„News on period numbers“

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**Abstract:**

Period numbers are complex numbers obtained by integrating a differential form with rational coefficients over a suitable domain of integration, also defined over the algebraic numbers. They are ubiquitous in mathematics. Examples are  $\pi$ ,  $\log(2)$ ,  $\zeta(3)$ . Their transcendence properties are the object of long-standing conjectures. We report on joint work with Wüstholz, finally settling the case of 1-forms.

**14.45 Uhr: Kaffeejause**

**15.15 Uhr: Vortrag**

**vinum cum pane im Anschluss**

Matthias Aschenbrenner  
Radu Ioan Boț