

UNIVERSITÄT DES SAARLANDES  
Fakultät für Mathematik und Informatik  
Fachrichtung Mathematik



## Mathematisches Kolloquium

Am **Freitag**, dem 7. Juni 2024, spricht um **14 Uhr s.t.** im Hörsal III der Fachrichtung Mathematik, Gebäude E2.5, [Teams-Link](#),

**Prof. Dr. Joël Ouaknine,**  
**Max Planck Institute for Software Systems**

über das Thema:

### **The Skolem Landscape**

*Abstract:*

The Skolem Problem asks how to determine algorithmically whether a given linear recurrence sequence (such as the Fibonacci numbers) has a zero. It is a central question in dynamical systems and number theory, and has many connections to other branches of mathematics and computer science. Unfortunately, its decidability has been open for nearly a century! In this talk, I will present a survey of what is known on the Skolem Problem and related questions, including recent and ongoing developments.

Der Gast wird von Prof. Dr. Moritz Weber betreut.

Alle Interessenten und Interessentinnen sind zum Vortrag herzlich eingeladen. Der Vortrag findet im **hybriden Format** statt.

**Die Dozenten der Mathematik**