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Leibniz  
Universität  
Hannover

# Oberseminar

## Zahlentheorie und Arithmetische Geometrie

**Dr. Daniel Loughran**  
(Leibniz Universität Hannover)

### "Counting number fields"

In this talk we consider the problem of counting number fields of bounded degree and discriminant. This topic has a venerable lineage beginning with Gauss, and continuing right up to the present with work of Fields Medalist Manjul Bhargava. I shall discuss the history and background of this problem, and also present some of my own additions to the area (joint work with Christopher Frei and Rachel Newton).

Come to this talk if you want to find out what it takes to get a Fields Medal.

**Donnerstag, 15.10.2015**  
**ab 12:00 Uhr, Raum g117**  
Hauptgebäude der Leibniz Universität Hannover

Alle Interessierten sind herzlich eingeladen.

Institut für Algebra, Zahlentheorie  
und Diskrete Mathematik