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Leibniz  
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Hannover

# Oberseminar

## Zahlentheorie und Arithmetische Geometrie

**Dr. Giuliano Gagliardi**  
(Leibniz Universität Hannover)

### "On the algebraic stringy Euler number"

We define the algebraic stringy Euler number of  $\mathbb{Q}$ -Gorenstein projective varieties with log terminal singularities. We conjecture that it is strictly decreasing with respect to elementary birational modifications in the minimal model program. We can prove this conjecture for varieties having an action of a connected algebraic group admitting equivariant desingularizations with only finitely many orbits. In particular, the conjecture is true for spherical varieties.

This is joint work with Victor Batyrev.

**Donnerstag, 13.07.2017**

**ab 12:00 Uhr, a410**

Hauptgebäude der Leibniz Universität Hannover

Alle Interessierten sind herzlich eingeladen.

Institut für Algebra, Zahlentheorie  
und Diskrete Mathematik