
Seminar des SFB/TRR 326 GAUS

Freitag, 17.05.2024

Prof. Dr. Damaris Schindler

Universität Göttingen

spricht über das Thema

Density of rational points near manifolds

Given a bounded submanifold M in R^n , how many rational points with common bounded denominator are there in a small thickening of M ? Under what conditions can we count them asymptotically as the size of the denominator goes to infinity? I will discuss some recent work in this direction and arithmetic applications such as Serre's dimension growth conjecture as well as applications in Diophantine approximation. For this I'll focus on joint work with Shuntaro Yamagishi, as well as joint work with Rajula Srivastava and Niclas Technau.

Ort: **INF 205, SR A**

Beginn: **13:30 Uhr**

Alle Interessenten sind herzlich eingeladen.

Prof. Dr. Judith Ludwig