

Oberseminar

zur

Algebra und Algebraischen Kombinatorik

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"Van der Corput sets"

A set H of positive integers is a van der Corput set if the sequence $\{u_n\}$ of real numbers is uniformly distributed (mod 1) whenever the differenced sequence $\{u_{n+h} - u_n\}$ is uniformly distributed (mod 1) for all $h \in H$. We start the talk with a historical background together with some properties and examples of van der Corput sets. Then we present connections of these sets with intersective sets, recurrent sets and Heilbronn sets. Finally extensions of these questions to sets in \mathbb{Z}^d together with recent examples are considered.

Montag, 28.04.2014

ab 14:00 Uhr, Raum a410

Hauptgebäude der Leibniz Universität Hannover

Alle Interessierten sind herzlich eingeladen.

gez. Prof. Dr. C. Bessenrodt
Institut für Algebra, Zahlentheorie
und Diskrete Mathematik