



Leibniz  
Universität  
Hannover

# Oberseminar Zahlentheorie und arithmetische Geometrie

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## On Quasi-Frobenius-splitting.

In algebraic geometry of positive characteristics, singularities defined by the Frobenius map, including the notion of Frobenius-splitting, have played a crucial role. Yobuko introduced the notion of quasi-Frobenius-splitting and Frobenius-split heights, which generalize and quantify the notion of F-splitting, and proved that Frobenius-split heights coincide with Artin-Mazur heights for Calabi-Yau varieties. In this talk, I want to explain recent results obtained on quasi-Frobenius-splitting (specifically, some criteria and properties). This talk is based on joint work with Tatsuro Kawakami, Hiromu Tanaka, Jakub Witaszek, Fuetaro Yobuko, and Shou Yoshikawa.

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**10:45-11:45, online.**

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**Alle Interessierten sind herzlich eingeladen.**