



Leibniz
Universität
Hannover

Oberseminar Institut für Algebraische Geometrie

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Uniformization of complex algebraic varieties

In an attempt to understand which complex analytic spaces can be realised as the universal covering of a complex algebraic variety, Shafarevich asked whether the universal covering of any smooth projective variety X is holomorphically convex. In other words, does there exist a proper holomorphic map from the universal covering of X to a Stein analytic space? Although still open, Shafarevich's question has been answered positively e.g. when the fundamental group of X admits a faithful complex linear representation (Eyssidieux-Kazhdan-Pantev-Ramachandran). In my talk, I will discuss the generalization of Shafarevich's question to non-compact algebraic varieties.

Donnerstag, 26.10.2023, 16:30 - 17:30, B302.

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Alle Interessierten sind herzlich eingeladen.