



Leibniz
Universität
Hannover

Oberseminar

Institut für Algebraische Geometrie

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Characterizations of polarized abelian varieties with a curve factor

In many aspects of the theory of algebraic curves (e.g. Brill–Noether theory), the hyperelliptic ones are very special and they can be characterized in various ways. In this talk I will discuss two of such characterizations and show that they have a completely analogous counterpart in the context of polarized abelian varieties. Concretely, we show two characterizations of the most special type of such varieties: products with at least one curve factor. The first of these results deals with certain graded module over the ring of sections while the second one deals with the non-surjectivity of certain Gauß–Wahl maps. This is a joint work with G. Pareschi.

Donnerstag, 23.04.2026, 16:30 - 17:30, F142.

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Alle Interessierten sind herzlich eingeladen.