



Leibniz
Universität
Hannover

Oberseminar Institut für Algebraische Geometrie

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Gaussian maps for curves on Abelian surfaces.

I will recall the characterization of Brill-Noether general hyperplane sections of K3 surfaces in terms of their Gaussian map, which was conjectured by Wahl and then proved by Arbarello, Bruno, Sernesi. I will then mention a conjecture by Colombo, Frediani, Pareschi predicting a characterization of hyperplane sections of Abelian surfaces in terms of the corank of their second Gaussian map. I will finally present a new conjectural picture, foreseeing the possibility of characterizing curves on Abelian surfaces by looking at the first Gaussian map of their Prym canonical embeddings.

Donnerstag, 10.11.2022

16:30-17:30, Raum B302

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Alle Interessierten sind herzlich eingeladen.