Oberseminar
Institut für Algebraische Geometrie

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Standard stable Horikawa surfaces

In 1976 Horikawa classified minimal surfaces of general type with $K_X^2 = 2p_g(X) - 4$, the equality case of Noether's inequality. If K_X^2 is divisible by 16, then there are two irreducible families and it is a long-standing open problem if these parametrise diffeomorphic surfaces.

Considering these surfaces inside the moduli space of stable surfaces, I will construct an anticipated intersection of the two components and some unexpected extra components. The talk is based on joint work with Julie Rana.

Donnerstag, 20.06.2024, 16:45 - 17:45, F142.
Leibniz Universität Hannover
Alle Interessierten sind herzlich eingeladen.