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Varieties of Hilbert type

Arno Fehm (Universität Konstanz))

Abstract: Varieties of Hilbert type were introduced in the context of the Noether program. I will discuss classical and recent results on varieties of Hilbert type and address the question of Serre whether a product of two varieties of Hilbert type is again of Hilbert type. As an application I will discuss specializations of covers of algebraic groups.