

Zahme und wilde Quotientensingularitäten

Abstract:

The quotient of an algebraic surface by a finite group action usually acquires singularities. Over the field of complex numbers, such singularities are particularly accessible and can be completely described in terms of a combinatorial invariant, the dual graph.

In this talk I will discuss joint results with Hiroyuki Ito to the effect that over fields of positive characteristics, these dual graphs often have an entirely different structure.

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