Oberseminar zur Algebra und Algebraischen Kombinatorik

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„Hirzebruch-type inequalities, plane curve configurations and associated algebraic surfaces“

In the talk I will present an outline of Hirzebruch's idea which allows to construct surfaces of general type with interesting properties - I will focus on the combinatorial part of the construction. Especially, we show how to obtain families of the so-called Hirzebruch-type inequalities for $d$-configurations of plane curves - a natural generalization of line arrangements for higher degrees curves. At the end of the talk I will present some challenging open problems related to Hirzebruch's construction, one of them is devoted to the existence of a certain very rigid family of line arrangements.

Montag, 09.01.2017
ab 14:00 Uhr, Raum a410
Hauptgebäude der Leibniz Universität Hannover
Alle Interessierten sind herzlich eingeladen.

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