Oberseminar
Institut für Algebraische Geometrie

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K3 surfaces with compact rational polyhedral effective cone and Picard number bigger than 2

Nikulin and Vinberg classified K3 surfaces which have a compact rational polyhedral effective cone and Picard number > 2. These surfaces have a finite automorphism group and no elliptic fibrations ; there are 8 families of such a surfaces. The Nikulin Vinberg classification is obtained by using the Torelli Theorem and by explicitly describing the Néron-Severi group of these surfaces. In this talk, using their previous results, we will present a more geometric description and construction of these surfaces. In particular we give some explicit exemple, and in some case we discuss about the unirationality of their moduli spaces.

Donnerstag, 20.02.2020

15:00 - 16:00, Raum b302

Hauptgebäude der Leibniz Universität Hannover

Alle Interessierten sind herzlich eingeladen.