

Oberseminar Zahlentheorie und arithmetische Geometrie

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(Toronto)

The role of exceptional divisors in resolution of singularities

The exceptional divisors of a resolution of singularities for an algebraic variety X provide crucial information on the geometry of X that is hidden in the singularities. In this talk we explain why it is necessary to take the exceptional divisors into account when constructing a finite sequence of blowing ups resolving the singularities. In particular, we present new ideas of how to detect the exceptional divisors that are in "bad position" with respect to a potential center for blowing up.

Donnerstag, 18.05.2017, 12:00 – 13:00, a410

Alle Interessierten sind herzlich eingeladen.