Oberseminar
Institut für Algebraische Geometrie

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Equivariant toric geometry and Euler-Maclaurin formulae

Using equivariant Todd (resp. Hirzebruch) classes of toric varieties, we translate the equivariant Hirzebruch-Riemann-Roch theorem for simplicial toric varieties into various (weighted) Euler-MacLaurin type formulae for simple lattice polytopes. This is joint work with S. Cappell, L. Maxim and J. Shaneson, see the papers arXiv:2403.19715 (short version) and arXiv:2303.16785 (long version).

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Leibniz Universität Hannover
Alle Interessierten sind herzlich eingeladen.