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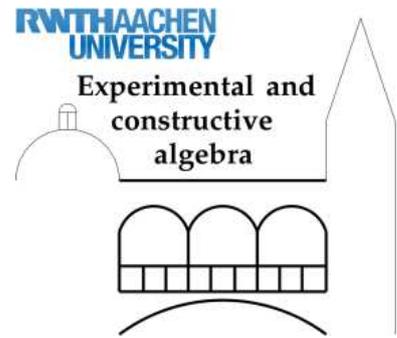
Experimental and
constructive
algebra

Vortrag

Dienstag, 3. Mai 2011, 15:30 Uhr, Hörsaal IV

Frank Sottile (Texas A&M University, USA): ***Orbitopes***

An orbitope is the convex hull of an orbit of a compact group acting linearly on a vector space. Instances of these highly symmetric conex bodies have appeared in many areas of mathematics and its applications, including protein reconstruction, symplectic geometry, and calibrations in differential geometry.

In this talk, I will discuss Orbitopes from the perpectives of classical convexity, algebraic geometry, and optimization with an emphasis on motivating questions and concrete examples. This is joint work with Raman Sanyal and Bernd Sturmfels.

Wir laden alle Interessierten herzlich ein.