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Degenerations in convex projective geometry and non-archimedean ordered fields

jeudi 26 juin 2025 14:30 (1 heure)

I will explain how convex projective geometry over ordered
non-archimedean fields may be used to study large scale properties of
individual real Hilbert geometries and degenerations of convex
projective actions. For example, by studying the case of polytopes,
we obtain an explicit description of the asymptotic cones
of real polytopes.

This is joint work with Xenia Flamm.

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