

Title: "Birational sequences and the tropical Grassmannian of planes"
Workshop "Recent advances on the geometry of valuations"
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Abstract: "Birational sequences have been recently introduced by Fang, Fourier, and Littelmann. They provide a unified construction for toric degenerations of flag varieties (and more general spherical varieties) from representation theory. For example, Caldero's construction and the one of Alexeev-Brion are special cases. I will present a class of birational sequences, called iterated, that provide toric degenerations of Grassmannians. Iterated sequences have the advantage that the valuations used in the construction for toric degenerations can be computed explicitly. I will further show that for every degeneration of the Grassmannian of planes constructed using the tropicalization there exists an iterated birational sequence yielding an isomorphic degeneration."