

4th ABCD-Seminar

Wednesday, July 29th, 2020, 2:30 pm

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Flat degenerations of quiver grassmannians of type D

We explore an analogue of linear degenerate quiver grassmannians for quivers of type D. In particular, we can describe the flat and the irreducible flat loci of these degenerations explicitly. Since the behavior of degenerations becomes more intricate in type D than in type A, we propose two techniques to reduce more complicated quiver grassmannians to easier ones: We show how a covering of quivers gives rise to a covering of quiver grassmannians, and we use degenerations to thin representations as an approximation of type A.

This is a summary of my master's thesis, supervised by Prof. Ghislain Fourier.