

Recent progress on FFLV bases and FFLV polytopes

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I will outline the results obtained in the two loosely connected papers [arXiv:1604.08844](#) and [arXiv:1610.07984](#). The first provides explicit combinatorial descriptions of the vertices (and various subsets of vertices) of FFLV polytopes of types A and C. The second constructs certain analogues of FFLV bases for representations of type B Lie algebras.