CATALIN ZARA, Department of Mathematics, Yale University, New Haven, Connecticut, USA Morse interpolation and divided differences

The combinatorial construction of generators for the equivariant cohomology of GKM Hamiltonian spaces is essentially a multivariable interpolation problem on the moment polytope, and the result is given, in general, by a sum over a subset of paths. In the particular case of flag varieties, the same generators can also be computed using divided differences, and the result is then given as a sum over a subset of subwords of a reduced word. I will explain how these two results are related.