Bistellar flips algorithm

Yue Ren, Oliver Daisey

1 Preliminaries

Let us suppose we are given a list of point configurations $A_1, ..., A_m$, all of who live in $\mathbb{K}^n$. We construct the Cayley configuration $A \in \mathbb{K}^{n+m}$. Given a choice of lift $\omega \in \mathbb{K}^{|A|}$, we obtain a polyhedral subdivision Δ_w of conv(A). A *mixed cell* consists of a choice of