

Connection w. matroids

Each cell of $(Gr_{k,n})_{>0}$ corresponds to a positroid
— on oriented matroid in which all bases has pos. orient.

A platic graph G encode info about positroid

Bases \longleftrightarrow the k -element subset of $[n]$
which occur as source ^{set} of perf. orientating

Basis exchanges \longleftrightarrow switching directed
paths in a P.O.

Let M_G be the natural correspond to G , the underlying
matroid of the positroid assoc. to G .

Prop(Psw) \exists a projection of $P(G)$ to the ^{matroid} ~~matroid~~ polytope

$Q(P_G)$ of M_G which takes a vertex of $P(G)$
tone sp. to the basis $J \subset [n]$ to the vertex of
 $Q(M_G)$ correspond to basis J .