Chapter 1

Normal Complexes

1.1 What the Hell is a Normal Complex

1.2 Analogues to Polytopes

1.2.1 Oh no, We Can Define the Faces of a Normal Complex

TO DO: Define facets and show they're normal complexes themselves. Show the analogues of polytope faces (mostly?) hold

1.3 Computing Volumes of Normal Complexes

1.3.1 Recursive Definition of Volume (via Facets)

1.3.2 Volume as Degree Map Evaluation

1.4 Mixed Volumes of Normal Complexes

1.4.1 What is the Standard Mixed Volume

1.4.2 Extending Mixed Volume to Normal Complexes

1.4.3 Some Nice Properties of Mixed Volumes

TO DO: Cite Lauren. A-F Inequalities.