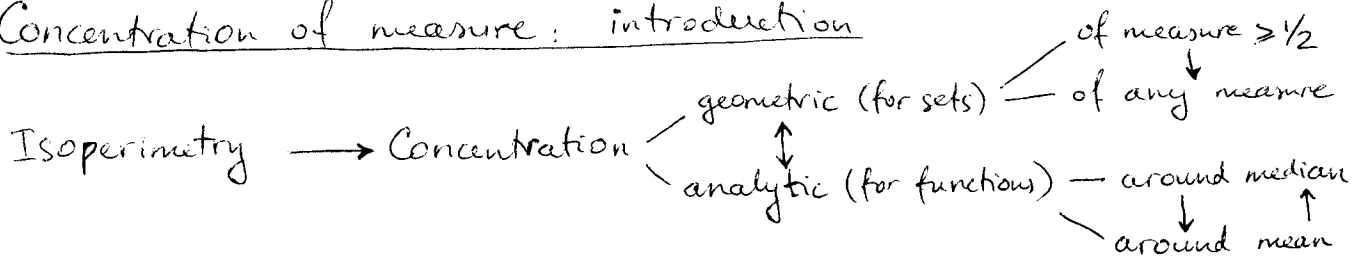


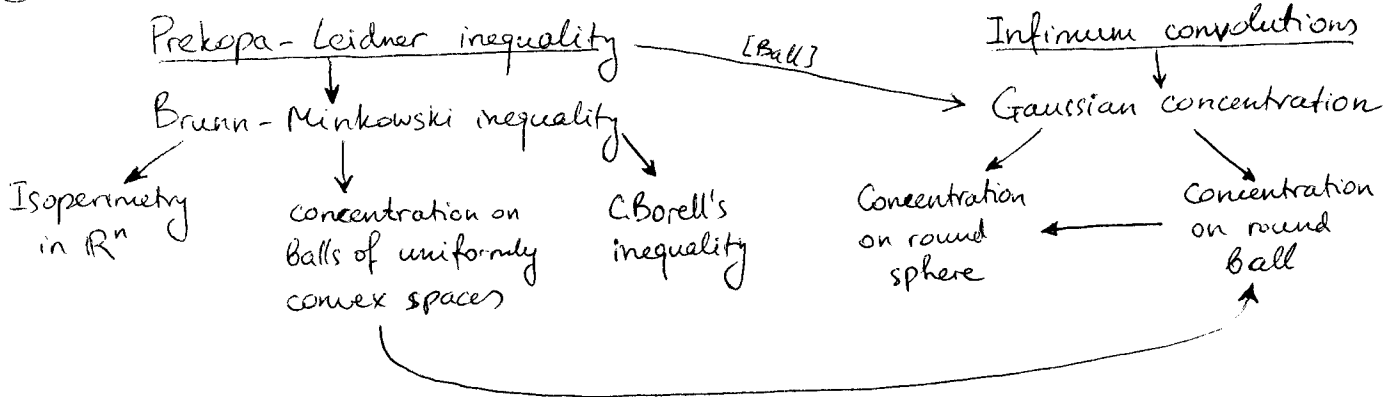
# PLAN FOR 280 :

## ① Concentration of measure: introduction



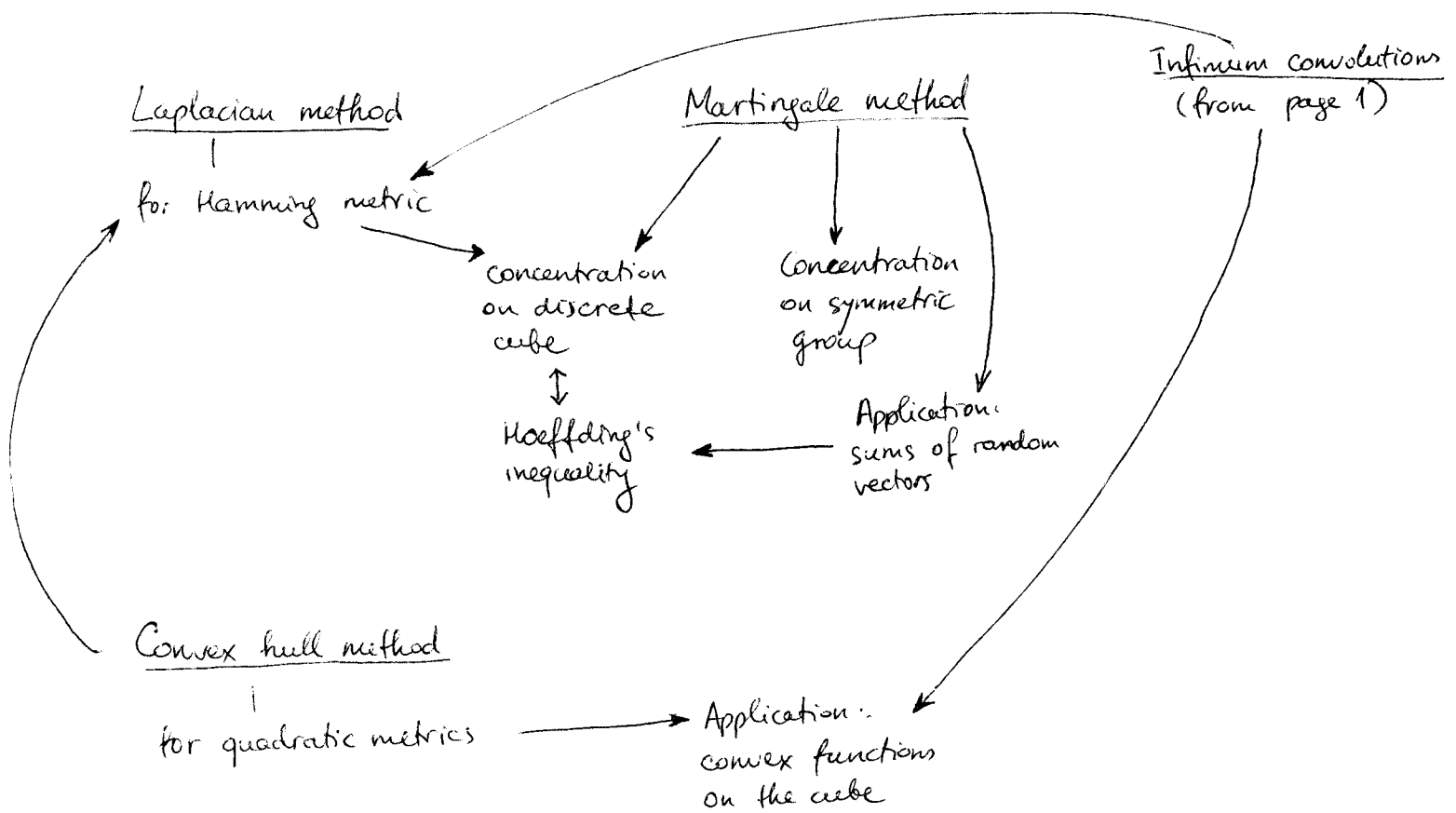
- Application: Johnson-Lindenstrauss flattening lemma
- Application: Stabilization of functions on subspaces
- Application: faces of symmetric polytopes

## ②



- Isoperimetry of waists
  - Reverse Brunn-Minkowski inequality
  - Cheeger constant  $\rightarrow$  Expanders
  - Poincare (spectral gap) inequality and concentration
- } overview

③ Concentration in product spaces



④ Applications (to be written)