Bigger Disk D_B

Voronoi Cell V_k

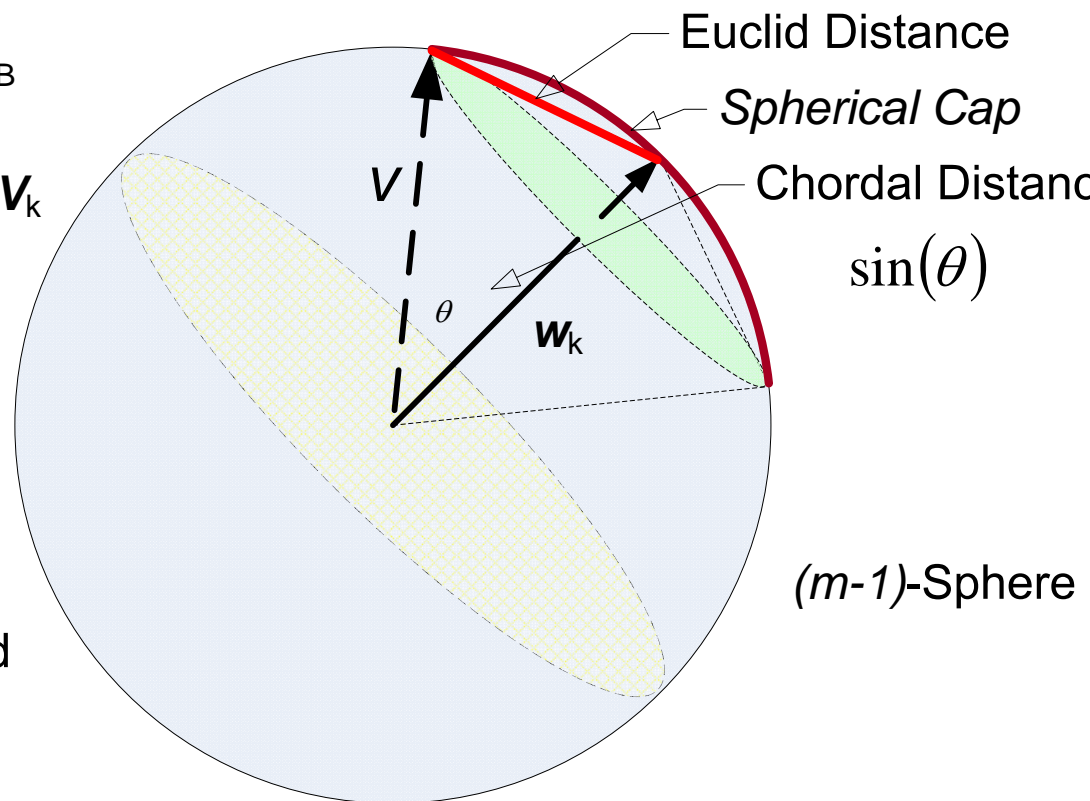Appr. Covering Disk C^c_m by Hamming Bound

Smaller Disk D_S

a) Voronoi cell V_k and three bounds: (1) outer boundary D_B by disk-covering problem. (2) inner bound D_s by sphere-pack problem. (3) a heuristic boundary C^c_m by Hamming bound

Euclid Distance

Spherical Cap

Chordal Distance

$\sin(\theta)$

V

θ

w_k

$(m\text{-}1)$-Sphere

b) $(m\text{-}1)$-Spere and $(m\text{-}1)$-Sphere Cap

e

p

stance

here