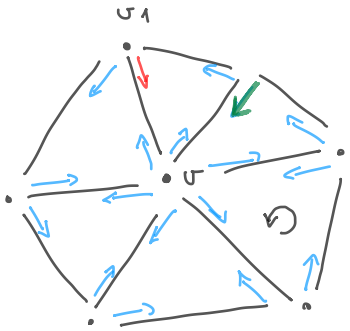
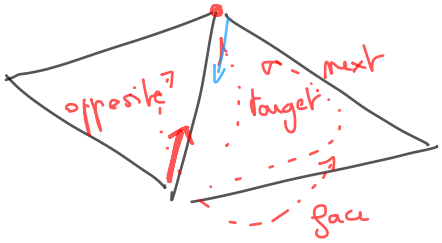


$v \longrightarrow$ halfedge(v)

he



tq voisin par he

$v_1 \leftarrow$ target(opposite(he))

tq 1/2 arête entrante autour

he $\leftarrow$ opposite(next(he))

cond d'arrêt ...

Viewers

→ meshCat

→ cloudcompare

→ paraview (vefun/3D)

Modeleurs

→ Blender

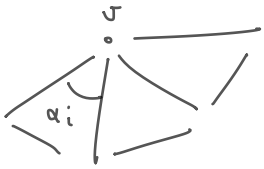
n sommets $\longrightarrow$ n he

m faces $\longrightarrow$ m he

e arêtes $\longrightarrow$ 2m he

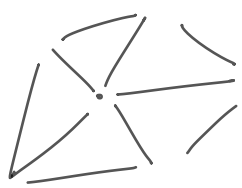
he $\longrightarrow$

3D



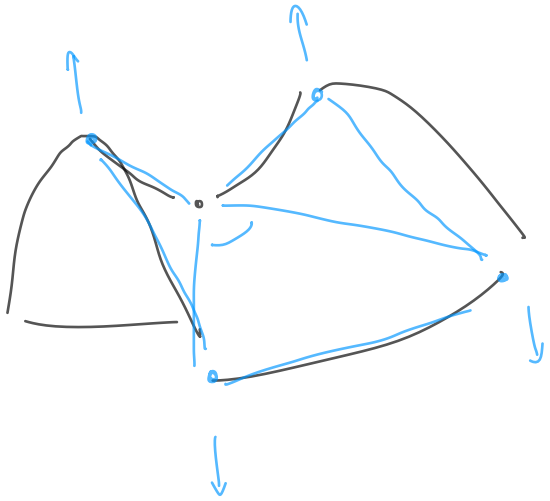
$2\pi - \sum \alpha_i \neq 0$?

2D



$2\pi - \sum \alpha_i = 0$

$\alpha_i \to 0$ $\qquad 2\pi - \sum \alpha_i \rightsquigarrow 2\pi$



$2\pi - \sum \alpha_i$

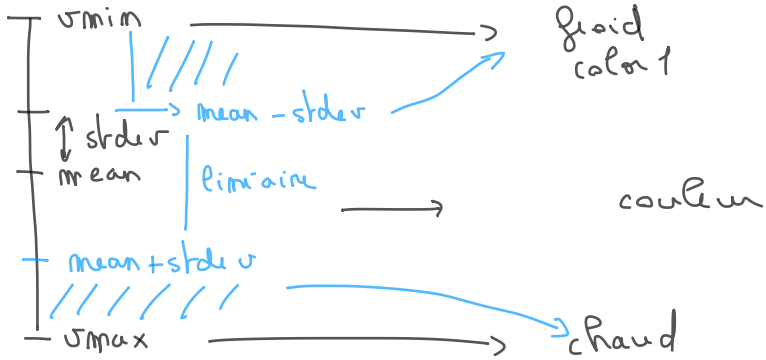
2π — très courbé convexe

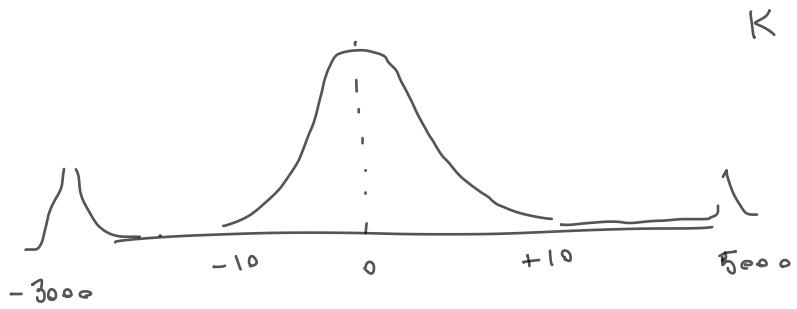
0 — plan

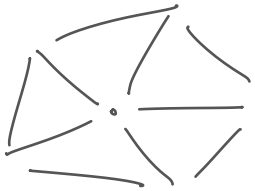
$\ominus$ — selle / éventail

$\sum \alpha_i > 2\pi$

(v)







```
for(i=0; i < neig.size(); ++i)
    neigh.at(i)
    neigh.at((i+1) % neigh.size())
```