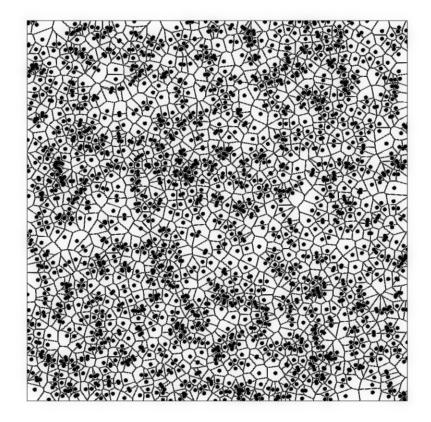
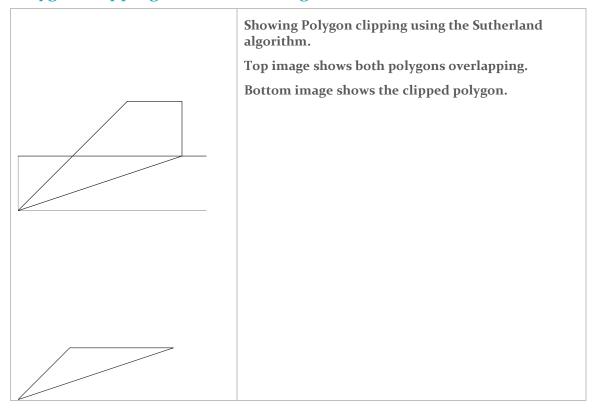
Carolina COSTA LOPES

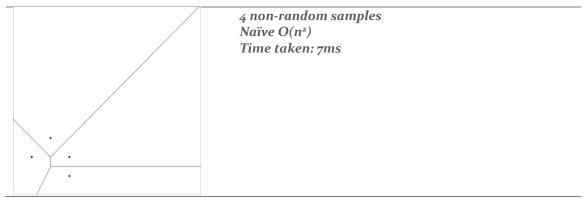


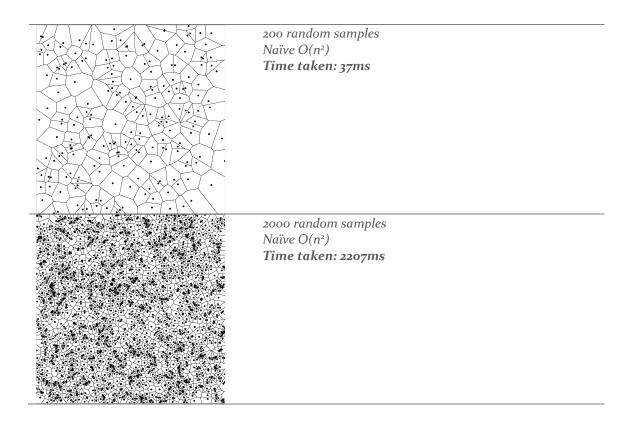
# Geometry Processing

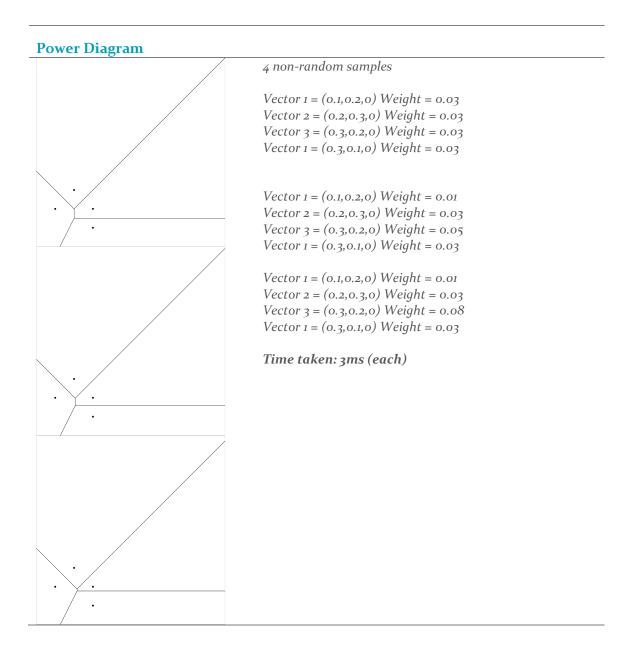
## Polygon Clipping - Sutherland Algorithm



## Voronoi diagram







#### LBFGS - SEMI DISCRETE OPTIMAL TRANSPORT

The code for this optimisation is almost complete. The maths was confusing for me, so I am not sure that the formulas I have written are correct. I also looked at Sebastian's code for aid and have got some of his code copied and pasted and commented out in my file. I take no ownership for this code, I was using it for help.

Please refer to the following functions:

File Polygon.hpp

Area()

Integral()

#### FLUIDS VIA SEMI-DISCRETE OPTIMAL TRANSPORT

I have implemented the majority of the Gallouet Merigot algorithm, but since I couldn't finish the semi optimal transport function I was not able to continue further.