

# Numerical Programming

Ramaz Botchorishvili

Kutaisi International University

AP#4

# Voronoi diagram

## Problem 4.1

- ▶ Find real world applications of Voronoi diagram
- ▶ Post selected problem in the chat
- ▶ Allowed: built-in libraries
- ▶ Requirement: visualization including Delaunay triangulationns and Voronoi diagrams
- ▶ Deliverables:
  - ▶ working code
  - ▶ 2 page paper explaining your work: model, approach, experiment, conclusions
  - ▶ 3 min video for TA with explanation and demonstration of your work
- ▶ Deadline: 5 days after publication of AP

# Important Notice

## Important Notice

- ▶ Test your code, it should work properly for
  - ▶ data points
  - ▶ norms/distance
- assigned by TA or instructor.
- ▶ AP assigned 0 points if:
  - ▶ a model problem provided twice by students. Make sure, your model is different from models provided by others.
  - ▶ submitted results are not reproducible
  - ▶ student cannot apply his own code for data or norms provided by TA or instructor