

Homework Project 2

Given 10/09/2019, Due 11/12/2019

The aim of the project is to create a program that could compete in the CG:SHOP 2020 Geometric Optimization Challenge (Minimum Convex Partition Problem).

<https://cgshop.ibr.cs.tu-bs.de/competition/cg-shop-2020/>

The program needs to be able to read the input files, as specified in the challenge, display the problem instance on the screen, and show a possible solution. The solution must be at least a local optimum in the sense that no edge can be removed. It is not required to generate an output file of the format given in the competition, although everyone is strongly encouraged to do so, and attempt to participate in the competition. The deadline for the competition is February 14, 2020. The name of the input file is a command line argument of your program.

Submit your source code by e-mail to phjmbrass@gmail.com; include the course (I06) and homework number in the subject line, and your name as a comment in the homework file. If you submit multiple files, you can pack them with the `tar` archiver.