

Eliminate overlapped convex hulls

- Load convex_hulls.json.
- Some of the convex hulls stored in convex_hulls.json are overlapped.
- Eliminate the overlapped convex hulls based on the following rule.
 - Eliminate the convex hull if it has more than 50% of its own area overlapped with another convex hull (pairwise area overlap).
- Generate result_convex_hulls.json which stores only the remaining (non-eliminated) convex hulls. The format should be the same as convex_hulls.json.
- Authorized program language is only C++.
 - Follow a coding style guide which you are using.
 - E.g. [Google C++ Style Guide](#)
 - Mention the style guide as a comment on the top of your program code.
 - `// This code follows Google C++ Style Guide.`
- You are allowed to use JSON library to read/write a json file.
 - E.g. <https://nlohmann.github.io/json/>.
- You are allowed to use the std library in C++.
- Do not use any other libraries, especially to calculate area or intersection.
- Put appropriate comments for the reviewer to understand your code easily.
- Submit the following files:
 - your code and the code for the json library you used
 - your result_convex_hulls.json
 - Instruction to build and run your code so that we can reproduce your result using your submission