## Review Form

**Authors’s Name:\_\_\_\_袁无为\_\_\_\_\_\_\_\_\_ Author’s Student No.: \_\_\_\_2020040054\_\_\_\_\_\_\_\_\_**

**Reviewer’s Name:\_\_\_\_于子淳\_\_\_\_\_\_\_\_\_ Reviewer’s Student No.: \_\_\_\_2019011257\_\_\_\_\_\_\_\_\_ Date：03-06**

|  |  |
| --- | --- |
| Makefile  (10%) | 8 |
| Comments | Makefile目录不对，在不同的机器上需要改 |
| Compilation  (编译正确) (10%) | 10 |
| Comments | 编译正确 |
| Correctness of Results  (结果正确) (40%) | 37 |
| Comments | Problem1，如果x是0的话会输出很多次同样的报错信息，不太合理 ，且imp只算了一次不符题意 |
| Naming Convention  (变量命名合理) (5%) | 5 |
| Comments | 命名合理 |
| Code Formatting  (代码格式合理) (5%) | 5 |
| Comments | 格式合理 |
| Code Comments  (代码注释合格) (5%) | 5 |
| Comments | 检查冒泡时间过小的操作值得学习 |
| Other Coding Style and efficiency (代码运行效率) (10%) | 10 |
| Comments | 效率不错 |
| OOP Design Style  (15%) | 10 |
| Comments | Problem1、3中，我认为最好加一个timer.cpp； Problem3，main函数中比较大的数组用new比较好，而且其实用不到那么大？Problem3，感觉最后几个时间还是排一下序比较好，符合题目原本的比较意图（虽然冒泡肯定最慢吧），而且只开了三个数组，n也为一个确定的值（我感觉还是rand一个n比较好），扩展性较弱，建议把数组和n都放入类中（其实扩展性这方面我觉得你的problem2做的不错，考虑到不仅仅3位的情况，vector套vector有点秀） |
| Total Score (0-100) | 90 |
| Overall Comments | 整体功能实现得不错，码风和注释也很清晰，有一些细节是我没有想到但你做的比我好的地方，不过你仍有一些考虑不周的地方，咱们一同学习进步吧 |
| Version of Reviewer’s compiler | g++ 7.3.0 |

**NOTE:**

1. For coding styles including naming, formatting, code comments, etc., please refer to the Google C++ Style Guide. You may stick to your own coding style if you already have one, provided that your coding style is easy to read and understand by others.

(<https://google.github.io/styleguide/cppguide.html>)

2. OOP design: easy for code reuse (代码复用); easy for extension and adaptability to future change for new user requirements (易于扩展，适应未来用户需求的改变). We will learn these OOP design features throughout this semester.

3. The reviewer (评阅人) is responsible for filling in the review form with both credits (分数) and detailed comments/suggestions (评价/建议) for further improvements (改进), and then returns the review form to the author of the code.

4. Finally, each student needs to submit the improved (改进后的) source code according to the comments, as well as a .doc or .pdf file including the returned review forms and statements on the revised code in reply to the reviewers’ comments.

5. Please comply with our “**Rules for Submission**” when submitting your homework.