## Review Form

**Authors’s Name:刘文达 Author’s Student No.: 2017011423**

**Reviewer’s Name:李晨昊 Reviewer’s Student No.:2017011466 Date：4-23**

|  |  |
| --- | --- |
| **Makefile**  **(10%)** | **10** |
| **Review Comments** | 符合makefile规范 |
| **Compilation**  **(编译正确) (10%)** | 10 |
| **Review Comment** | 编译正确 |
| **Correctness of Results**  **(结果正确) (40%)** | 30 |
| **Review Comment** | 结果错误，原因是new出来的内存没有清零。  关于new出来的内存是否初始化有一些相关的规则，对于new一个int的动态数组，有这两条规则：  1.“If initializer is absent, the object is default-initialized.”  2.default-initialize : “…… otherwise, nothing is done: the objects with automatic storage duration (and their subobjects) are initialized to indeterminate values.” |
| **Naming Convention**  **(变量命名合理) (5%)** | 5 |
| **Review Comment** | 变量命名合理 |
| **Code Formatting**  **(代码格式合理) (5%)** | 5 |
| **Review Comment** | 代码格式合理 |
| **Code Comments**  **(代码注释合格) (5%)** | 5 |
| **Review Comment** | 注释较少 |
| **Other Coding Style and efficiency (代码运行效率) (10%)** | 5 |
| **Review Comment** | 矩阵乘法效率较低  申请内存会花费较长时间，应该把申请内存与计算分离成两个阶段，而不是一边申请一边计算 |
| **OOP Design Style**  **(15%)** | 8 |
| **Review Comment** | Matrix类还缺一个拷贝复制运算符。  虽然在这个问题里这不是必须的，但是涉及到内存管理的类通常都应该提供1.拷贝构造函数2.拷贝复制运算符3.析构函数4.移动构造函数5.移动赋值运算符  std::ofstream是std::ostream的子类，有完全相同的接口，所以输出到屏幕和输出到文件可一用同一个函数完成。 |
| **Total Score (up to 100)** | 78 |
| **Overall Review Comments** |  |

**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.

(<http://google-styleguide.googlecode.com/svn/trunk/cppguide.xml>)

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 “**Rules for Submission** (see Lecture 1: Exercises)” when submitting your homework.