

Sorting Algorithms

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1 Introduction

The goal of this document is to gather key sorting algorithms and some analysis and discussion so I can understand where they fit, how they work, their strengths, and their weaknesses. This is going to supplement implementing these algorithms in C++. The code will also be in this directory. I intend to follow [1]. Any questions, comments, or suggestions are welcome.

2 Insertion sort

References

- [1] Thomas H. Cormen, Clifford Stein, Ronald L. Rivest, and Charles E. Leiserson. *Introduction to Algorithms*. McGraw-Hill Higher Education, 2nd edition, 2001.