

Approximate Methods in Geometry

Practical Part

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Today's lecture: Summary

Summary

- ▶ Version Control System
- ▶ Easy to Understand
- ▶ Simple to build
- ▶ Do Testing
- ▶ Document
- ▶ Fail Early (e.g. use contracts)
- ▶ Consistent Coding Style
- ▶ Neither optimize prematurely nor pessimize prematurely

Always code as if the guy who ends up maintaining your code will be a violent psychopath who knows where you live.

MARTIN GOLDING

A word cloud of programming languages. The largest word is 'C'. Other prominent words include 'Scheme', 'JavaScript', and 'Java'. Smaller words include 'Fortess', 'PostScript', 'Scala', 'Erlang', 'Ada', 'D', 'Ruby', 'TeX', 'C++', 'Perl', 'Python', 'Fortran', 'Lisp', 'Smalltalk', 'Haskell', and 'Cobol'.

Fortess
PostScript
Scala
Erlang
Ada
D
Ruby
TeX
C++
Perl
Python
Fortran
Lisp
Smalltalk
Haskell
Cobol

Scheme

JavaScript

Java

C

References

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- [3] Stephen Dewhurst. [C++ Gotchas: Avoiding Common Problems in Coding and Design](#). Boston, MA, USA: Addison-Wesley Longman Publishing Co., Inc., 2002. ISBN: 0321125185.
- [4] Brian W. Kernighan and Rob Pike. [The practice of programming](#). Boston, MA, USA: Addison-Wesley Longman Publishing Co., Inc., 1999. ISBN: 0-201-61586-X.
- [5] Herb Sutter and Andrei Alexandrescu. [C++ Coding Standards: 101 Rules, Guidelines, and Best Practices \(C++ in Depth Series\)](#). Addison-Wesley Professional, 2004. ISBN: 0321113586.