

C++ Club UK Meeting 110

Gleb Dolgich

2020-07-09

- mailing2020-06
 - [Reddit](#)

Select papers

- [P2184R0 HOPL: Thriving in a Crowded and Changing World: C++ 2006–2020](#)
- [P2164R1 views::enumerate](#)
- [P2093R0 Formatted output](#)

C++20

Proposed

```
std::cout << std::format("Hello, {}!", name);    std::print("Hello, {}!", name);
```

Best online data structures /algorithms c++ courses?

- [Reddit](#)

Links

- [Coursera: Algorithms, Part I \(Princeton University\)](#)
- [Book: Competitive Programmer's Handbook, by Antti Laaksonen, 2018](#)

- [Reddit](#)

What is the “difficult” part of C++?

- [Reddit](#)

C++ is kind of like quantum physics: the more you understand it the less you understand it. #

In a hypothetical situation, backwards compatibility is no longer an issue in C++. What would you change about the core language or the standard library?

- **Reddit**
 - Rust gets mentioned!

C++ is too slow to compile

- Reddit

Tools

- Build time profiler for Clang
- Clang Build Analyzer

Microsoft: Rust Is the Industry's 'Best Chance' at Safe Systems Programming

- Microsoft
 - Reddit

Rust is a great language. Like C++, it trusts the programmer, and like Java, it doesn't trust the programmer. #

- CXX — safe FFI between Rust and C++

- Stuart Wheaton
 - Reddit

*C++**11** posted on June 14, **2020**?*

Illustrative Boost 1.73 epoch report

- Report
 - Reddit

Hiding C++ template parameter packs in a tuple

- Raymond Chen

- [Gist](#)
 - [Reddit](#)
- [Howard Hinnant's date library](#)

- Article
 - Reddit
- `polymorphic_value` (GitHub)
- Better Code: Runtime Polymorphism - Sean Parent

- [Filip Dutescu \(GitHub\)](#)
 - [Reddit](#)

A template for modern C++ projects using CMake, clang-format and unit testing

Quick reference of C++ value categories

- Part 1
- Part 2

- Bartek Filipek
 - [Reddit](#)

- [GitHub](#) (C++20, BSD-3-Clause)
 - [Reddit](#)

- B. Filipek
 - Reddit

Modern C++ Parallel Task Programming

- [Home](#)
- [GitHub](#)
- [Taskflow 2.5 announcement on Reddit](#)
- [Taskflow - C++ Parallel Tasking System, by Manoj Rao](#)

- [GitHub](#) (C++17, header-only, MIT)

- [GitHub](#)
 - [Reddit](#) (Header-only, C++17, Boost Licence)

C++ based Rest web server for large scale production environment

- Reddit
- C++ libraries for restful micro services development

Testing a Modern C++ workflow by coding a base85 decoder from scratch

- German Diago Gomez
 - Emacs
 - Meson
 - C++20
- Tom's Data Onion

- Notes

The goal of these notes is to introduce the reader to the following.

1. Parallel computing in imperative programming languages and C++ in particular, and
2. Real-world performance and efficiency concerns in writing parallel software and techniques for dealing with them.

- Barry Revzin
 - Reddit



Michael Park @mcypark



@BarryRevzin

Haskell: λ

Rust: lambda

C++: laaaaaaaaaaambbdaaa



thread

10h • 18/06/2020 • 15:11

- Douglas Schmidt, YouTube playlist
 - Reddit

Colin Yates @yatesco:

The biggest lie in Software Engineering is that it is about computers and not people.

The importance of choosing the right data type

how showers are
supposed to work

```
int temperature;
```

how showers work

```
bool temperature;
```