C++ Club UK Meeting 110

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2020-07-02

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++11 Guide: A Practical Guide for the Everyday Programmer

- Stuart Wheaton
 - Reddit

C++11 posted on June 14, 2020?

Illustrative Boost 1.73 epoch report

- Report
 - Reddit

std::polymorphic_value + Duck Typing = Type Erasure, by Jonathan Müller

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

Type Erasure by Andrzej

- Part 1
- Part 2
- Part 3
- Part 4

Type Erasure with Merged Concepts

• Post by Andreas Herrmann

On the Tension Between Object-Oriented and Generic Programming in C++, and What Type Erasure Can Do About It

· Article by Thomas Becker

Modern C++ Template

- Filip Dutescu (GitHub)
 - Reddit

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

Runtime Polymorphism with std::variant and std::visit

- · Bartek Filipek
 - Reddit

Cefal: library of functional typeclasses using C++20 concepts

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

C++ Lambdas, Threads, std::async and Parallel Algorithms

- B. Filipek
 - Reddit

Taskflow

Modern C++ Parallel Task Programming

- Home
- GitHub
- · Taskflow 2.5 announcement on Reddit
- Taskflow C++ Parallel Tasking System, by Manoj Rao

The Darkest Pipeline - Multithreaded pipelines for modern C++

- 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

An Introduction to Parallel Computing in C++ (2016)

Notes

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

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

Lambda Lambda Lambda

- Barry Revzin
 - Reddit



Michael Park @mcypark

🤵 @BarryRevzin

Haskell: λ

Rust: lambda

C++: laaaaaaaaaaambbdaaa

thread

10h • 18/06/2020 • 15:11

The importance of choosing the right data type

how showers are supposed to work

int temperature;

how showers work

bool temperature;