C++ Club UK Meeting 111

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2020-07-23

2020-07 mailing available

- Mailing
 - Reddit
- · Selected papers:
 - P2000R2: DIRECTION FOR ISO C++ notable additions
 - P1659R1: starts_with and ends_with
 - P1679R3: string contains function
 - P2186R0: Removing Garbage Collection Support
 - P2192R0: std::valstat transparent return type

Thirty Years C++. Interview with Bjarne Stroustrup

• Roberto V. Zicari, ODBMS Industry Watch

Bjarne Stroustrup:

Education is important, but not everyone who wants to write software needs the same education.

Ask Me Anything with Bjarne Stroustrup, hosted by John Regehr

- YouTube
 - Reddit

eCAL - enhanced Communication Abstraction Layer

- GitHub (Apache-2.0)
 - Reddit
 - ROS

spdlog V1.7.0

- GitHub
 - Reddit

How To Add A GUI To A C++ Program

Reddit

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

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

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

- · Bartek Filipek
 - Reddit

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

- B. Filipek
 - Reddit

The Darkest Pipeline - Multithreaded pipelines for modern C++

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

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

- Barry Revzin
 - Reddit



Michael Park @mcypark

🤵 @BarryRevzin

Haskell: λ

Rust: lambda

C++: laaaaaaaaaaaambbdaaa

thread

10h • 18/06/2020 • 15:11

5 Curious C++ Lambda Examples

- B. Filipek
 - Reddit

The importance of choosing the right data type

how showers are int temperature; supposed to work how showers work bool temperature;