C++ Club UK Meeting 105

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Sign Up For Pure Virtual C++ Conference 2020

Pure Virtual C++ 2020 is a free single-track one-day virtual conference for the whole C++ community. It is taking place on Thursday 30th April 2020 from 14:30 to 23:00 UTC

Genius name!

- Pure Virtual C++ Conference
- Microsoft

All talks will be pre-recorded and streamed on YouTube Live with a live Q&A session with the speakers. After the event, the talks will be available to watch online for free.

LLVM/Clang 10.0.0 is released

Reddit

Highlights:

- C++ Concepts support in Clang
- Clang no longer runs in a separate process by default ("in-process cc1")
- Windows control flow guard (CFG) checks
- Support for more processor cores and features

Kick-start your C++

A template for modern C++ projects using CMake, CI, code coverage, clang-format and reproducible dependency management.

- GitHub
- Reddit

To humbly present a wish-list for C++23

- Corentin Jabot
- Reddit

In Prague, the committee adopted https://wg21.link/p0592r4, a paper that lays a list of priorities WG21 should focus on for C++23.

The vote was almost unanimous. I voted against it. I figured it would be interesting to explain why.

A hidden gem: inner_product (1/2)

Article

A hidden gem: inner_product (2/2)



Conor Hoekstra @code_report

This makes me so incredibly happy! I literally just yesterday googled, C++17 / C++20 zip to see if they had anything, because I wrote some code in both C++ and #Python and Python was so much more beautiful.



Conor Hoekstra @code report

™ @cjdb_ns & @TartanLlama

Also, I just discovered std::inner_product - a beautiful temporary solution to a lack of zip. #cpp #inner product

The unused function

Björn Fahller:

```
1 template<typename... Ts>
2 void ignore(Ts&&...){}
```

Interoperability between Swift and C++

This document discusses the design and tradeoffs for bidirectional API-level interoperability between Swift and C++.

- Manifesto
- · Forum discussion
- [Swift/C++] User survey: how would you use C++ interoperability?

Structured Exceptions (Win32) and C++

- Raymond Chen: How can I handle both structured exceptions and C++ exceptions potentially coming from the same source?
 - Reddit
- Raymond Chen: Can I throw a C++ exception from a structured exception?

Format specifiers for C++ in the Visual Studio debugger

Microsoft

Quote

Unknown:

Debuggers don't remove bugs. They only show them in slow motion.