C++ Club UK Meeting 111

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2020-07-30

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

C++ Russia — Interview and Q&A with Bjarne Stroustrup

- YouTube

Initial Support For C++20 Ranges in Visual Studio 2019 V16.6

- Blog post
  - Reddit

- GitHub (Apache-2.0)
  - Reddit
  - ROS

- GitHub
  - Reddit

- Reddit

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

- Bartek Filipek
  - Reddit

- B. Filipek
  - Reddit

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

- 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.

- B. Filipek
  - Reddit

- Barry Revzin
  - Reddit

Michael Park @mcypark
@BarryRevzin

Haskell: λ
Rust: lambda
C++:   laaaaaaaaaaambbdaaa

thread

10h • 18/06/2020 • 15:11

A C++14 Lambda Library

- Peter Dimov
  - Reddit

Before

```
1  int count_even(int const * first, int const * last)
2  {
3    return std::count_if(first, last, [](int x) {
4      return x % 2 == 0;
5    });
6  }
```

After

```
1  int count_even( int const * first, int const * last )
2  {
3    return std::count_if(first, last, _1 % 2 == 0);
4  }
```

how showers are
supposed to work

```
int temperature;
```

how showers work

```
bool temperature;
```