

C++ Club UK Meeting 126

Gleb Dolgich

2021-04-01

mailing2021-03

- mailing2021-03
 - Reddit

Select papers

- P1875R2. Transactional Memory Lite Support in C++
- P2041R1. template = delete
- P2093R5. Formatted output
- P2332R0. Establishing std::hive as replacement name for the proposed std::colony container

Balanced functions in C++

- John Freeman
 - Reddit

C++ Performance Trap #1: Constant-size std::vector

- Scott Wolchok
 - [Reddit](#)
 - [Software optimization resources, by Agner](#)

C++ Performance Trap #2: Unnecessary std::function

- Scott Wolchok
 - Reddit

Inlining and Compiler Optimizations

- Scott Wolchok
 - Reddit

Library: Cli

A cross-platform header only C++14 library for interactive command line interfaces (Cisco style).

- [GitHub](#)

Introduction to Lua in C++ with Sol2

- Hristo Stamenov

Book erratum: Professional C++ by Marc Gregoire

- [Reddit](#)

Statements of the form `return object;` trigger return value optimization (RVO) if `object` is a local variable, a parameter to the function, or a temporary value. Furthermore, if `object` is a local variable, named return value optimization (NRVO) can kick in.

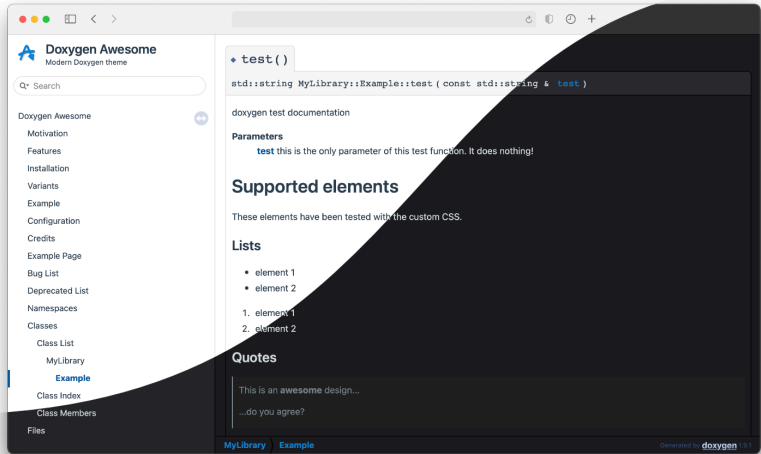
- [cppreference](#): Copy elision

Free Windows 10 development virtual machines for HyperV, Parallels, VirtualBox, and VMWare

- Scott Hanselman
- Virtual machine downloads at Microsoft
- Free developer tools for Windows 10

Tool: Doxygen Awesome

- Doxygen Awesome Theme
 - Reddit



Tool: hdoc is now open source

- Announcement
 - [Reddit](#)
 - [GitHub](#)

C++ Blog Roll

- Blog posts tagged 'cpp'
- Reddit post with additional blog links

Library: ConcurrentDeque

- [GitHub](#)
 - [Reddit](#)
 - [Dynamic Circular Work-Stealing Deque, by David Chase and Yossi Lev](#)

Library: Alia - A Library for Interactive Applications

- Home
 - Reddit

constexpr Dynamic Memory Allocation, C++20

- B. Filipek

Algorithm Selection

- Conor Hoekstra