

# 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](#)

## See also

- [boost::container::static\\_vector](#)
- [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.*

The **bold** part is wrong.

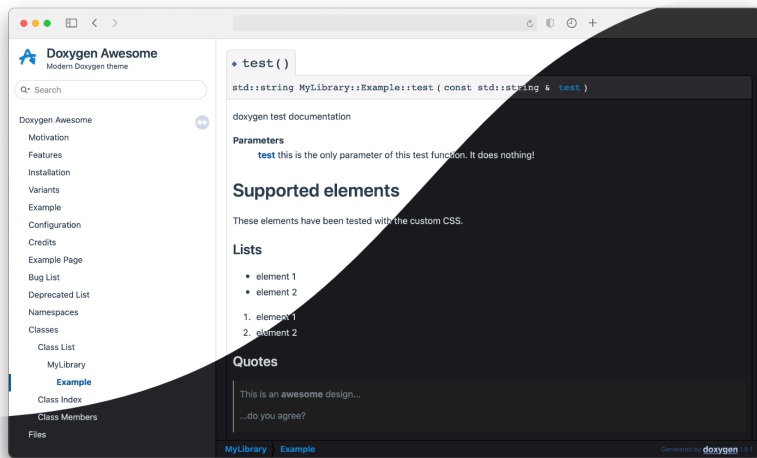
- [cppreference: Copy elision](#)

# 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 and Thiefpool (C++20)

- ConcurrentDeque - A lock-free concurrent queue
  - [GitHub](#)
  - [Reddit](#)
  - [Dynamic Circular Work-Stealing Deque](#), by David Chase and Yossi Lev
- Thiefpool - A blazing-fast, lightweight, work-stealing thread-pool
  - [GitHub](#)
  - [Reddit](#)

# Library: Alia - A Library for Interactive Applications

- Home
  - Reddit

# constexpr Dynamic Memory Allocation, C++20

- B. Filipek



# Algorithm Selection

- Conor Hoekstra



**I Am Devloper** @iamdevloper

Software is never finished, merely abandoned.

22h • 25/07/2020 • 23:59 ●