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## (Part 2) Typos in pdf version of 2022-01-11

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黃詠翔 &lt;jamesbond0705@gmail.com&gt;

2022年5月31日 下午4:25

收件者: cppstd17@josuttis.com

Dear Mr. Josuttis,

I found several possible typos in your book C++17 (pdf version: 2022-01-11). Two of them have been reported in my previous (Part 1) email sent on 2022/5/16:

### 7.1 Attribute `[[nodiscard]]`

(Page 56)

s/ you **have mark** the derived member function/ you **have to mark** the derived member function

### Sec. 8.7 Exception Specifications as Part of the Type

(Page 70, first paragraph)

s/ has a **different type**/ has **a looser exception specification**/

(Reason: In the code snippet above this paragraph, if we move the noexcept specifier from Base::foo to Derived::foo, then the code will compile. But their types are still different.)

### 11.2.1 Dealing with Empty Parameter Packs

(Page 112, code snippet before 11.2.2)

s/ print(First first, /  
print(**const** First& first, /

### Sec.16.2 std::monostate

(Page 152)

s/ v2 = 42; std::cout << "index : " << v2.index() << "\n"; // index: 1/ v2 = 42; std::cout << "index : " << v2.index() << "\n";  
// index: **2**/

I tested the code snippet you provided and got a different result on g++17, g++20 & Visual C++ 17.1.0. The result supports my above correction:

<https://coliru.stacked-crooked.com/a/987be055c7f05b59>

### 18.2 std::byte Types and Operations

(Page 183)

1. delete "int value = 42;" since this variable is unused.
2. s/ for the value 42, the following is written: **1111110**/ for the value 42, the following is written: **101010**/ ( <https://coliru.stacked-crooked.com/a/e7d3e06580ee892c> )

### 19.4 String View Types and Operations

(Page 194)

s/ because '\0' is behind sv/  
because **'\0'** is behind sv/ (**two places**).

### 20.1 Basic Examples

(Page 202, 208, 209)

s/ for (auto& e / for (**const** auto& e / (3 places)

(Page 210)

s/ **is** the best approach **it usually** to try/ **it is usually** the best approach to try/

### 20.2.6 Error Handling

(Page 214)

s/ advance checks are **no guarantee for no errors**/ advance checks **for no errors** are **not guaranteed**/

### 20.3.6 Path Comparisons

(Page 229, second code snippet)

s/ p1 == p2 // **true**/ p1 == p2// **false**/

(Test: <http://coliru.stacked-crooked.com/a/d20f09e4597132cd>)

#### 20.4.4 Filesystem Modifications

(Page 239)

s/ **list** the operations for modifying/ **lists** the operations for modifying/

#### 22.6 Motivation for New Algorithms for Parallel Processing

(Page 269, last)

The output **misses a line**: "accumulate(): 100000000" (8 zeroes).

#### 23.2 New Numeric STL Algorithms

(Page 285)

1. s/ [beg,end)/ [beg**1**,end**1**)/ (2 places)
2. s/ beg==end/ beg**1**==end**1**/

(Page **287-290**)

1. s/ [beg,end)/ [**inB**eg,**inE**nd)/ (2 places: p287, p289)
2. s/ beg==end/ **inB**eg==**inE**nd/ (2 places: p287, p290)

#### 24.2 Using General Subsequence Searchers

(Page 296)

s/ (beg != coll.**end**)/ (beg != coll.**end****()**)

#### 26.2.2 try\_emplace()

(Page 315)

s/ be passed **As** an additional/ be passed **as** an additional/

#### 32 std::launder()

(Page 393)

s/ of a core problem. **that**, however/ of a core problem. **That**, however/

#### 33.3 std::void\_t<>

(Page 403)

s/ we define a new type trait **HasVariousT<>**/ we define a new type trait **HasVarious<T>**/

Best,

Yung-Hsiang Huang



黃詠翔 <jamesbond0705@gmail.com>

## (Part 3) Typos in pdf version of 2022-01-11

1 封郵件

黃詠翔 <jamesbond0705@gmail.com>

2022年8月12日 下午6:32

收件者: cppstd17@josuttis.com

Dear Mr. Josuttis,

I found 5 possible typos in your book C++17 (pdf version: 2022-01-11). This is a sequel to my previous (Part 2) email sent on 2022/5/31:

### 27.1 Supplementary Mutexes and Locks

(Page 322)

1. s/ if **more than one** mutex **is** passed/ if **more than one** mutex **are** passed/
2. s/ with a single **constructor**, **argument** acts like/ with a single **argument**, **constructor** acts like/ (*swap them*)

### 27.2 `is_always_lock_free` for `Atomics`

(Page 324)

s/ the macro that **had to be** used/ the macro that **had been** used/

### 28.7 Afternotes

(Page 337, the second last hyper-link)

Change <http://wg21.link/4002> to <http://wg21.link/n4002>

### 33.4 Afternotes

(Page 404, the second hyper-link)

Change <http://wg21.link/4169> to <http://wg21.link/n4169>

Best,

Yung-Hsiang Huang

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**(Part 4) Typos in pdf version of 2022-01-11**

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黃詠翔 &lt;jamesbond0705@gmail.com&gt;

2022年8月15日 晚上9:30

收件者: cppstd17@josuttis.com

Dear Mr. Josuttis,

This may be the last typo report to your book C++17 (pdf version: 2022-01-11). It's mainly about Part V Expert Utilities.

**29.1 Using Standard Memory Resources**

(Page 344)

s/ because the monotonic\_**memory**\_resource/ because the monotonic\_**buffer**\_resource/**29.3 Providing Memory Resource Support for Custom Types**

(Page 360, beginning)

s/ Now ~~that~~ we have introduced/**30.2 Implementing operator new() for Aligned Memory**

(Page 370)

s/ the same applies to ~~delete,~~new[] and delete[]/**32. std::launder()**

(Page 393)

s/. **that**, however, does not/. **That**, however, does not/**Latex Issue for Chapter 30,****Page 368 (line 1, 3 & 7), Page 369's ~TP(), Page 377(line -13 & -11), and Page 394+395+397's payload.~T():**

The **tilde symbols** for destructors seem to be **ill-formed**. I found code snippet in [this solution](#) may be helpful.

(Remark: the EPUB version doesn't have this problem. I don't know whether this modification will effect the EPUB file.)

Best,

Yung-Hsiang Huang