

# C++ BLWS (Thursday 2)

## A Tour of Boost

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1. Small helpers
  2. Specialised Types
  3. Don't Reinvent the Wheel
  4. Design Patterns
  5. Extended Algorithms
  6. More Containers
  7. Meta Programming
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Short breaks will be inserted as convenient.

# Small helpers

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1. [Checked Delete](#)
2. [Identity Type](#)
3. [Base from Member](#)
4. [Uuid](#)

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This section is also provided to be filled with optional print-outs from the Boost Documentation.

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# Checked Delete

# Identity Type

# Base from Member

# Uuid

# Specialised Types

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1. [Tribool](#)
2. [Integer](#)
3. [Rational](#)
4. [Interval Arithmetic](#)
5. [Multiprecision Arithmetic](#)
6. [Accumulators](#)

This section is also provided to be filled with optional print-outs from the Boost Documentation.

# Tribool



# Integer

# Rational

# Interval Arithmetic

# Multiprecision Arithmetic

# Accumulators

# Don't Reinvent the Wheel

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1. [Scope Exit](#)
2. [Numeric Conversions](#)
3. [Pool](#)
4. [Program Options](#)
5. [Exceptions](#)
6. [Coroutines](#)
7. [Logging](#)
8. [Test-Driven Development](#)

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This section is also provided to be filled with optional print-outs from the Boost Documentation.

# Scope Exit

# Numeric Conversions



# Pool

# Program Options

# Exceptions

# Coroutines

# Logging

# Test-Driven Development

# Design Patterns

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1. [Flight-Weight](#)
2. [Iterators](#)
3. [Signals2](#)

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This section is also provided to be filled with optional print-outs from the Boost Documentation.

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# Flight-Weight



# Iterators

# Signals2

# Extended Algorithms

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1. [CRC](#)
2. [More String Algorithms](#)
3. [More Generic Algorithm](#)

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This section is also provided to be filled with optional print-outs from the Boost Documentation.



# More String Algorithms

# More Generic Algorithm

# More Containers

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1. [Flight-Weight](#)
2. [Dynamic Bitset](#)
3. [Circular Buffer](#)
4. [Heap](#)
5. [Multi-Index](#)
6. [Multi-Array](#)
7. [Intrusive Containers](#)
8. [Fusion](#)

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This section is also provided to be filled with optional print-outs from the Boost Documentation.

# Dynamic Bitset



# Circular Buffer

# Heap

# Multi-Index

# Multi-Array

# Intrusive Containers

# Fusion

# Meta Programming

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1. Motivation
2. C++11: Ratio
3. Boost: Ratio
4. C++11: Type Traits
5. Boost: Call Traits
6. Enable If
7. Boost: Enable If
8. Boost: Preprocessor

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This section is also provided to be filled with optional print-outs from the Boost Documentation.

# Motivation



# Optimized Swap

# Unit-Checking

# C++11: Ratio

# Boost: Ratio

# C++11: Type Traits

# Boost: Call Traits

# Enable If

# Boost: Enable If



# Boost: Preprocessor