

Runtime
computations

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Constexpr
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Type-level
computations



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Constexpr
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Type-level
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Heterogeneous
computations

Runtime
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Constexpr
computations

Boost.MPL

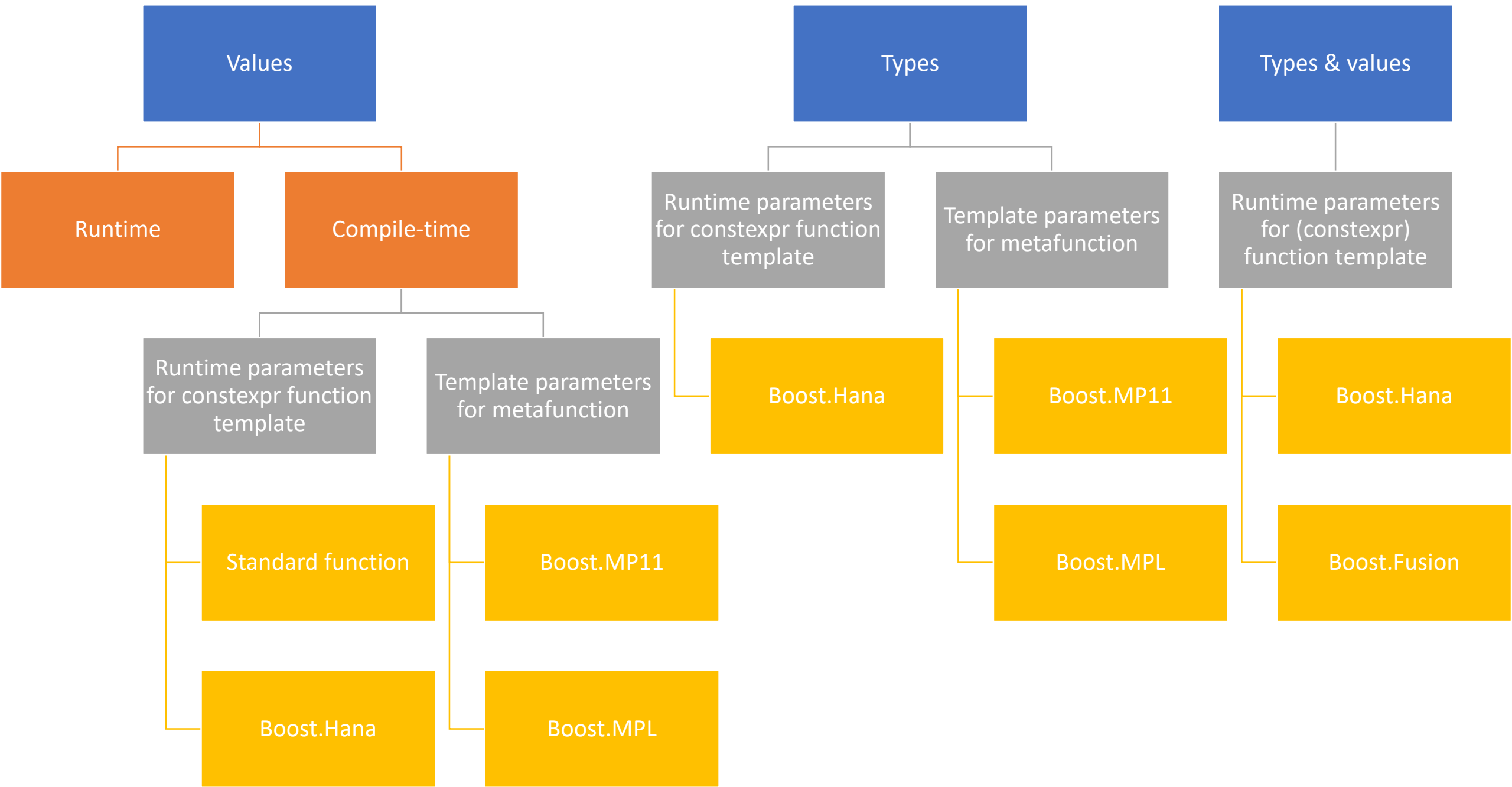
Boost.Fusion

Type-level
computations

Heterogeneous
computations

Boost.MP11

Boost.Hana



Compile-time „for“

Variadic template

Overloads

Unpacking

Recursion

Handwritten

Boost.Preprocessor

Compile-time „if“

constexpr if

std::enable_if

boost::enable_if

Template specialization

Tag dispatch

SFINAE decltype

Standard runtime function	https://godbolt.org/z/jhkPRr
Constexpr function	https://godbolt.org/z/hk2AD7
Boost.Hana with values	https://godbolt.org/z/aXhRsC
Boost.MP11 with values	https://godbolt.org/z/fTAp6m
Boost.MPL with values	https://godbolt.org/z/k9aF8j
Boost.Hana with types	https://godbolt.org/z/GducgC
Boost.MP11 with types	https://godbolt.org/z/vWJHMz
Boost.MPL with types	https://godbolt.org/z/yuzKgz
Boost.Hana with types & values	https://godbolt.org/z/uYspte
Boost.Fusion with types & values	https://godbolt.org/z/eiDr5b
Loop with unpacking	https://godbolt.org/z/gm_CMe
Loop with recursion	https://godbolt.org/z/65upWX
Handwritten loop	https://godbolt.org/z/p_dtCs
Boost.Preprocessor loop	https://godbolt.org/z/D95GXU
constexpr if	https://godbolt.org/z/XqaC-r
Template specialization	https://godbolt.org/z/_UDymw
std::enable_if	https://godbolt.org/z/zT_M3
boost::enable_if	https://godbolt.org/z/-Awa7d
Tag dispatch	https://godbolt.org/z/u4-7nM
decltype SFINAE	https://godbolt.org/z/8xYWrv
Bonus: Handwritten computation with types & values	https://godbolt.org/z/WmFJYn
Bonus: Recursion with types & values	https://godbolt.org/z/5jEx4s