

126

Type
Bounds
Lifetime
Initialisation
Arithmetic
Thread

Swift
Static type system
Checked
Value semantics & Ref-counted
Enforced
Trap/explicit behaviour
Enforced actors & sendable

C++23
Static type system reinterpret_cast
Asan
Partially enforced/ Asan
MSan/Asan
UBsan
Tsan

Circle
Static type system
Checked
Enforced borrow checker
Enforced
Checked/ defined
Enforced sync/send & BC

cpp2

Static type
system

Checked

Partially
enforced/
checked

Enforced

Checked

Tsan

iso c++
Profile: Type*
Profile: Ranges, Algorithms & Pointers
Profile: RAII
Profile: Initialisation
Profile: Arithmetic
Tsan

127

cpp2

Static type
system

Checked

Partially
enforced/
checked

Enforced

Checked

Tsan