



Safer type, bounds, lifetime, initialisation and arithmetic

Incrementally opt-in

Transpiles to C++ (still have the C++ code)

Perfect interop*

Jons:

Different language to learn/teach

Still in infancy

Lifetime safety not great

No thread safety

Type	Static type system
Bounds	Checked
Lifetime	Partially enforced/ checked
Initialisation	Enforced
Arithmetic	Checked
Thread	Tsan
Definition	Modules



• Pros:

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Type	Static type system
Bounds	Checked
Lifetime	Value semantics & Ref-counted
Initialisation	Enforced
Arithmetic	Trap/explicit behaviour
Thread	Enforced actors & sendable
Definition	Modules