



cmajor

Prors:

- Basically statically safe/enforced

• Arithmetic implementation defined (top x in misperforand)

• Divided by 0, signed integer overflow

• First



• DSL - needed additional app/plugin logic

Need to add Cmdjor runtime

• Aided by plug in exports tools

3

0

Type	Static
Bounds	Enforced
Lifetime	Static
Initialisation	Default initialised
Arithmetic	Implementation defined
Thread	Single* threaded
Definition	Single file

Cmajor

- **Pros:**

- Basically statically safe/enforced
- Arithmetic implementation defined (to maximise performance)
 - Divide by 0, signed integer overflow
- Fast

- **Cons:**

- DSL - need additional app/plugin logic
- Need to add Cmajor runtime
 - Aided by plugin export tools

Type	Static
Bounds	Enforced
Lifetime	Static
Initialisation	Default initialised
Arithmetic	Implementation defined
Thread	Single* threaded
Definition	Single file

Type	Static type system reinterpret_cast
Bounds	Asan
Lifetime	Asan
Initialisation	MSan/Asan
Arithmetic	UBsan
Thread	Tsan
Definition	Modules