Wrapping with Reflection

- **Value wrappers around shared objects**
  - `juce::Value`/`ValueTree`?
  - Copy-on-write objects

- **Thread-safe wrappers**
  - `synchronized_value`
  - `std::mutex/shared_mutex/spin_lock`
  - `crill::seqlock_object`

- **Async classes**

104

- P2996 - Reflection for C++26

  Accepted ✅

- P3294 - Code Injection with Token Sequences

  Hopeful for C++26 ➡ SOON

- P0707 - Metaclasses

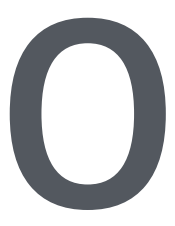
  Proposed ⚠️

Reflection

with

Wrapping

Implicit



around

wrappers

shared

- Thread-safe

- Copy-on-write

- std::mutex/shared_mutex/spin_lock

wrappers

- `crill::seqlock_object`

- juce::Value/ValueTree?

objects

objects

- Value

- Async

classes

Injection

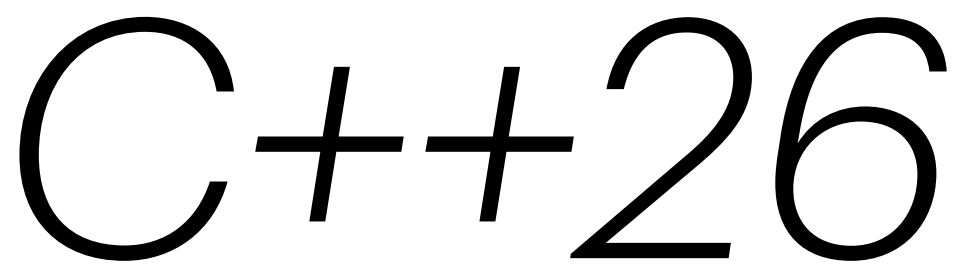
- P0707

Hopeful

SOON

- P3294

Metaclasses


C++26

Code

for

C++26

- P2996

Token

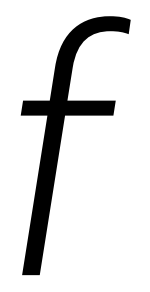
with

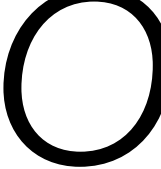
Proposed

Accepted

Reflection

Sequences





std::string

void

class

```
first_name;
```

new_first)

return

default;

const

person()

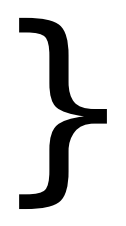
get_first_name()

public:

(std::string_view

[redacted]

[redacted]



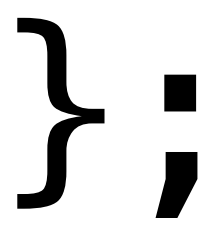
person(synchronized)

set_first_name

```
new_first;
```

last_name

```
first_name,
```



Repeat

```
last_name;
```

[redacted]

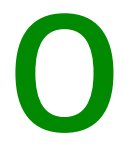
[redacted]

private:

first_name

0

105



r