

# How C++11 Can Improve Algorithms

- Variadics
- Move Semantics
- Default template arguments
- constexpr
- noexcept

# String Algorithms

- `trim_all_copy`
- `trim_all_copy_if`
- `trim_copy`
- `trim_copy_if`
- `trim_fill_copy`
- `trim_fill_copy_if`
- `trim_left_copy`
- `trim_left_copy_if`
- `trim_right_copy`
- `trim_right_copy_if`

# String Algorithms

- `ireplace_all_copy`
- `ireplace_first_copy`
- `ireplace_last_copy`
- `ireplace_nth_copy`
- `replace_all_copy`
- `replace_first_copy`
- `replace_head_copy`
- `replace_last_copy`
- `replace_nth_copy`
- `replace_range_copy`
- `replace_tail_copy`

```
template<typename SequenceT>
SequenceT
trim_left_copy(
    SequenceT const &,
    std::locale const & = std::locale());
```

# Benchmark

- Nest several algorithms
- Measure with and without move semantics