

FSML++

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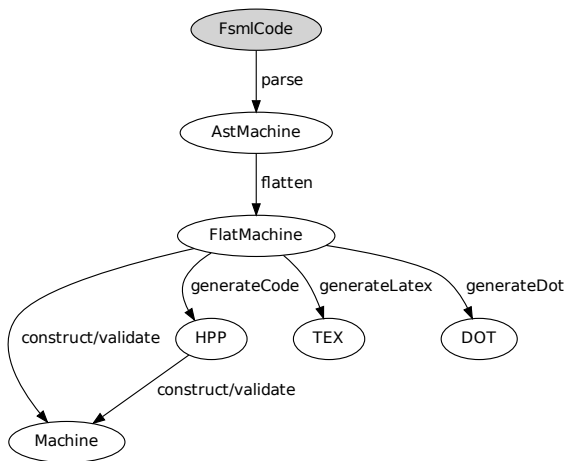
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1. Overview

- ▶ Language: C++
- ▶ Parser: Boost.Spirit.Qi
- ▶ Generator: Boost.Format
 - ▶ C++ header file
 - ▶ \LaTeX /TikZ file
 - ▶ Graphviz/Dot file
- ▶ Testing: Google gtest

2. Program Structure



3. C++

- ▶ Intermediate-Level: No Virtual Machine or Garbage Collection
- ▶ C-Compatible
- ▶ Multi-Paradigm:
 - ▶ Procedural
 - ▶ Object-Oriented
 - ▶ Functional
 - ▶ Generic

4. Boost

- ▶ Peer-Reviewed Set of High-Quality Libraries
- ▶ 10 Libraries Adapted Into C++11
- ▶ Used by Adobe, CERN, Google etc.

accumulators algorithm any array asio assign atomic bimap bind call_traits chrono circular_buffer compatibility compressed_pair
concept config container context conversion coroutine crc date_time dynamic_bitset exception enable_if filesystem flyweight
foreach format function function_types functional functional/factory functional/forward functional/hash
functional/overloaded_function fusion gil geometry graph heap icl identity_type integer interprocess interval intrusive
in_place_factory io iostreams iterator lambda lexical_cast local_function locale lockfree log math math/complex
math/common_factor math/constants math/floating math/octonion math/special_functions math/statistical math/quaternion
minmax move MPI mpl meta multi_array multi_index multiprecision numeric/conversion odeint operators optional parameter
Phoenix Predef pointer polygon pool preprocessor program_options property property_proto python random range ratio rational
ref regex result_of scope_exit serialization signals signals2 smart_ptr statechart static_assert spirit string_algo swap system test
thread timer tokenizer TR1 tribool tti tuple type_eraser type_traits typeid uBLAS units unordered utility value_initialized uuid
variant wave xpressive

5. Boost.Spirit.Qi

► a

6. Boost.Format

► a

Thank You All For Listening

GitHub: <https://github.com/hartenfels/FSMLplusplus/>