

**Methodology-Specific
Libraries**

Master/Slave Library, etc.

Layered Libraries

Verification Library
Static Dataflow, etc.

Primitive Channels

Signal, Mutex, Semaphore, FIFO, etc.

Core Language

Modules

Ports

Processes

Interfaces

Channels

Events

Event-driven simulation

Data Types

4-valued Logic type

4-valued Logic Vectors

Bits and Bit Vectors

Arbitrary Precision Integers

Fixed-point types

C++ user-defined types

C++ Language Standard