VPI Extensions for SystemVerilog 3.1

Design

SYNOPSYS®

Compatible

- **Natural extensions to VPI as defined in 1364-2001**

- **No new methods, object model is extended to support new constructs**

- **Fully forward compatible**

  - **Object model collapses back to the old model if the design does not contain any SystemVerilog constructs**

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Complete

- **Defined for all constructs in SystemVerilog 3.1**

  - **Structs/Arrays/Enums/Classes**

  - **Interfaces**

  - **Assertions**

  - **Constraints**

Complete

- **Access to static information**
  - **Names/sizes/types**
  - **Connectivity, driver/load**
- **Access to dynamic information**
  - **Values**
  - **Callbacks**

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