⊤ Master Interpreter

Overview

The Master Interpreter is primarily used to execute Test Bench models. It can guide the sequential execution of multiple interpreters as part of a workflow.

For Test Bench models that include references to a Design Space model as the System Under Test, the Master Interpreter can iterate over any number of configurations that were generated from that Design Space.

Supported Contexts

Component Assembly
not yet documented

Design Space (Design Container)
not yet documented

Test Bench

If the test bench has a workflow reference (referring to an interpreter workflow), then the Master Interpreter will list it in the *detected workflow definition* pane.

If the Test Bench has a dashboard definition object and no workflow definition (Figure 2), the static formula evaluator will be called on each selected configuration, and a dashboard specification (Dashboard.xml) will be generated in the output directory.

If the System Under Test in the Test Bench is a Component Assembly, then the interpreters in the workflow are executed sequentially on the Test Bench. All outputs are gathered in the output directory.

If the System Under Test in the Test Bench is a Design Space model, then it is treated as a "template." The component generates separate test benches for each selected configuration based on the provided template. The design space reference will be replaced by generated references to each configuration. In the output directory, each configuration will have its own subdirectory, and each interpreter will have its own subdirectory within that.
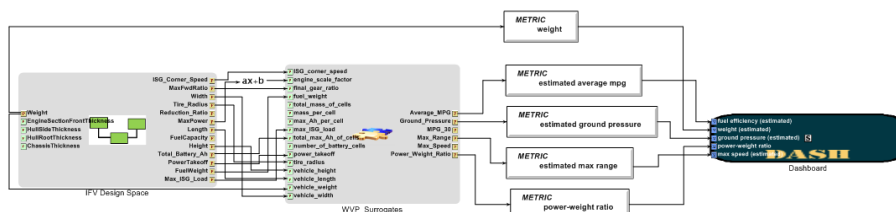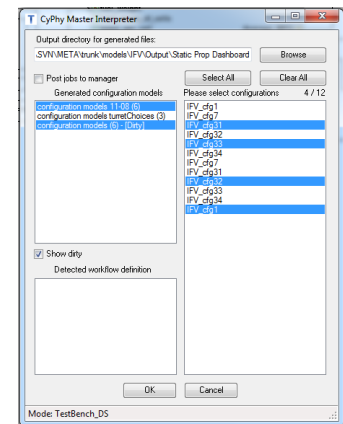

Figure 2: Test Bench model driving dashboard visualization

Multi-Experiment (without Design Space reference)
not yet documented

Multi-Experiment (with Design Space reference)
not yet documented