SmartSpice API for embedded user applications

- SmartSpice API is a set of functions located in the SmartSpice core and provides an algorithm for building embedded user applications for SmartSpice.
- API functions provide a variety of algorithms for external user applications and use SIPC communication protocol.
- API provides the user with application access to the algorithms in the parser, simulation engine, and postprocessor.
- Parser functionality provides the user with functions for circuit creation without using netlists.
- Simulation engine is accessible via API for modification of accuracy, and analysis parameters.
- Postprocessor API provides functions for simulation data extraction, and device/model parameters modifications.
- External user application must be linked with SIPC library provided by Silvaco.
- User application calls functions from SIPC library which communicate with SmartSpice API core functions.
- Silvaco provides c - code examples of user application that can be used as a starting point for user application development.
- SmartSpice API contains almost one hundred functions which gives the user total control of the simulator.
- User applications may use graphical capabilities of SmartView via SmartSpice API.

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SMARTSPICE API USER INTEGRATION
MADE EASY