Avant!

Star-Hspice Manual

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Using This Manual

This manual describes the Star-Hspice circuit and device simulation software and how to use it.

Audience

This manual is intended for design engineers who use Star-Hspice to develop, test, analyze, and modify circuit designs.

Related Documents

The following documents pertain to this guide:

- Star-Hpice,Star-Time, and AvanWaves Installation Guide
- Star-Hspice and AvanWaves Release Notes

If you have questions or suggestions about this documentation, send them to:

`techpubs@avanticorp.com`

Conventions

Avant! documents use the following conventions, unless otherwise specified:

Convention	Description
menuName > *commandName*	Indicates the name of the menu and the command name. For example, *Cell* > *Open* refers to the *Open* command in the Cell menu.
Tool: menuName > *commandName*	Indicates that a command is accessible only through an application tool. Tool is the tool through which you access the command, *menuName* is the name of the menu, and *commandName* is the name of the command. For example: *Data Prep: Pin Solution* > *Via* refers to the *Via* command on the Pin Solution menu, which you access by selecting *Data Prep* from the Tools menu in Apollo.
`courier`	In text, this font indicates a function or keyword that you must type exactly as shown. In examples, this font indicates system prompts, text from files, and messages printed by the system.
`courier italic`	Arguments appear in this font when the value of an argument is a string. The string must be enclosed with quotation marks.

Convention	Description
times italic	Indicates commands, functions, arguments, file names, and variables within a line of text. When a variable is included in italicized text, the variable is enclosed by angle brackets (<>). For example, “the name of the technology file is <libraryName>.tf, where <libraryName> is the name of the library.”
[ ]	Denotes optional arguments, such as: *pin1* [*pin2*, ...*pinN*] In this example, you must enter at least one pin name, the other arguments are optional.
({*instanceName orientation*} ...)	Indicates that you can repeat the construction enclosed in braces.
. . .	Indicates that text was omitted.
’(item1 item2)	An apostrophe followed by parentheses indicate that the text within the parentheses enclose a list. When the list contains multiple items, the items are separated by spaces. Type this information exactly as it appears in the syntax.
|	Separates items in a list of choices. For example, on | off.
\	Indicates the continuation of a command line.

Obtaining Customer Support

If you have a maintenance contract with Avant!, you can obtain customer support by:

- Contacting your local Application Engineer (AE)
- Calling the Avant! Corporate office from 8:30 AM through 5:30 PM Pacific Standard Time (PST) at:

  `1-510-413-8000`

  or

  `1-800-369-0080`

  Ask the receptionist for customer support.
- Faxing a description of the problem to the Avant! Corporate office at:

  `1-510-413-8080`

  Ensure that you write "Attn.: Customer Support Service Center" somewhere on the cover letter so the FAX can be properly routed.

Other Sources of Information

The Avant! external web site provides information for various products. You can access our web site at:

`http://avanticorp.com`

From our web site, you can register to become a member of the Avant! Users Research Organization for Real Applications (AURORA) user's group. By participating, you can share and exchange information pertaining to Integrated Circuit Design Automation (ICDA).