SpiceOpus Installation

Windows

Installing the software

Unpack the zipped archive. Start the installation by double-clicking on the installation executable (Setup.exe) in Windows Explorer.

Softwa	re License Agreement
	Please read the following License Agreement. Press the PAGE DOWN key to see the rest of the agreement.
	CE OPUS is a freeware circuit simulator with optimization tools and on UC Berkeley's SPICE 3f4.
(fide	s.fe.uni-lj.si/spice)
Cop	vright notice
	yright© 1992 Regents of the University of California. ghts reserved. Created by U.C. Berkeley CAD Group.
	vright© 1994 Georgia Tech Research Institute ights Reserved.
	ou accept all the terms of the preceding License Agreement? If you choose No, Setup lose. To install Spice Opus, you must accept this agreement.
	K Back Yes No

Accept the license agreement.

Choose Destination Loca	tion
	Setup will install Spice Opus in the following folder. To install to this folder, click Next. To install to a different folder, click Browse and select another folder. You can choose not to install Spice Opus by clicking Cancel to exit Setup.
InstallS	C:\SpiceOpus Browse
	< Back Next > Cancel

Change the installation directory by clicking on Browse if you wand SpiceOpus to be installed in some different place (by default it is installed in c:\SpiceOpus). Click on Next.

Start Copying Files		×
Irstel Ishad	Setup has enough information to start copying the progr If you want to review or change any settings, click Back are satisfied with the settings, click Next to begin copyin Current Settings: All Spice Opus files will be copied into: c:\SpiceOpus	: If you
	< Back Next > Ca	ancel

Confirm your choice by clicking on Next.



After the installation is finished, click on OK.

Setting up the environment

Open the Start menu.



Open the Control Panel.

F Control Panel								- D ×
File Edit View Favorites Tools	Help							
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Address 📴 Control Panel							•	ラ Со
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🚱 Switch to Category View	Accessibility Options	Add Hardware	Add or Remov	Administrative Tools	Automatic Updates	Date and Time	Display	
See Also 🕆	N	à	 Image: A second s	V	٢	1		
🌯 Windows Update	Folder Options	Fonts	Game Controllers	Internet Options	Java	Keyboard	Mail	
🕡 Help and Support	Ö			@		٩.		
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	Regional and Language	Scanners and Cameras	Scheduled Tasks	Security Center	Sound Effect Manager	Sounds and Audio Devices	Speech	
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	System	Taskbar and Start Menu	User Accounts	Windows Firewall	Wireless Network Set			
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33 objects								

Double-click the System icon on the Control Panel.

ystem Properti	es		?
System Res	store Auto	omatic Updates	Remote
General	Computer Name	Hardware System: Microsoft Window	Advanced C
	.	Professional Version 2002 Service Pack 2 Registered to: 55274-640-41741	22-23143
		Computer: AMD Athlon(tm) 6 3500+ 2.20 GHz, 1.00 G Physical Address	B of RAM
		OK Cancel	Apply

In system properties select the Advanced tab.

System Properti	ies		? ×						
System Re General	store Automa Computer Name	tic Updates Hardware	Remote Advanced						
You must be logged on as an Administrator to make most of these changes.									
	s, processor scheduling, m	emory usage, and v	rirtual memory						
			Settings						
User Profiles Desktop sett	ings related to your logon								
			Settings						
Startup and F	Recovery								
System startu	ip, system failure, and debi	ugging information							
	Settings								
Environment Variables Error Reporting									
	ОК	Cancel	Apply						

Click on the Environment Variables button.

Environment Variable	25	? ×
⊂User variables for an		
Variable	Value	
include	-C:\Program Files\Microsoft Visual Studio	
installdir	C:\synopsys\Hspice2003.03	
installdir_2003_03		
lib	C:\Program Files\Microsoft Visual Studio	
MSDevDir	C:\Program Files\Microsoft Visual Studio	-
	New Edit Delete	
 ⊂System variables		
Dystein variables		
Variable	Value	
AVANTD_LICEN	C:\synopsys\Hspice2003.03\avantd.dat	
BLAS_VERSION	C:\MATLAB7\bin\win32\atlas_Athlon.dll	
ComSpec	C:\WINDOWS\system32\cmd.exe	
FP_NO_HOST_C		
INCLUDE	C:\Program Files\Microsoft Visual Studio	-
	New Edit Delete	
L	v	
	OK Can	

Add a new system variable by clicking on the lower New button.

New System Variab	le ?X
Variable name:	OPUSHOME
Variable value:	c:\SpiceOpus
	OK Cancel

Name the variable OPUSHOME. Set it to the directory, where you installed SpiceOpus. Click on OK.

Environment Variables	System Properties	<u>?</u> ×
User variables for arpadb	System Restore Automatic Updates Remote General Computer Name Hardware Advanced	
Variable Value include C:\Program Files\Microsoft Visual Studio installdir C:\synopsys\Hspice2003.03 installdir_2003_03 C:\synopsys\Hspice2003.03 lib C:\Program Files\Microsoft Visual Studio MSDevDir C:\Program Files\Microsoft Visual Studio New Edit Delete System variables System variables	You must be logged on as an Administrator to make most of these changes. Performance Visual effects, processor scheduling, memory usage, and virtual memory Settings User Profiles Desktop settings related to your logon	
Variable Value AVANTD_LICEN C:\synopsys\Hspice2003.03\avantd.dat BLAS_VERSION C:\MATLAB7\bin\win32\atlas_Athlon.dll ComSpec C:\WINDOWS\system32\cmd.exe FP_NO_HOST_C NO INCLUDE C:\Program Files\Microsoft Visual Studio	Startup and Recovery System startup, system failure, and debugging information Environment Variables Error Reporting	
		,

Confirm your changes by clicking on OK in the Environment variables dialog and once more in the System Properties dialog.

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	Regional and Language	Scanners and Cameras	Scheduled Tasks	Security Center	Sound Effect Manager	Sounds and Audio Devices	Speech		
			<u>8</u> 2						
	System	Taskbar and Start Menu	User Accounts	Windows Firewall	Wireless Network Set				
See information about your computer sys	stem, and change s	ettings for har	dware, performa	ance, and autor	natic upda	J		11.	

Close the Control Panel.

Linux

Installing the software

Become root.

su -

Unpack the .tar.gz archive. A directory will be created with the name that looks like

spice_opusXXX_linux_DATE_TIME

Enter this directory.

cd spice_opusXXX_linux_DATE_TIME

Start the installation script (install).

./install INSTALL_PREFIX

INSTALL_PREFIX is the tree where Spice Opus will be installed. The recommended location is /usr/local. The installation script removes any previous Spice Opus installation in that tree and replaces it with the latest version. The binaries go to INSTALL_PREFIX/bin.

After the installation is finished, you can remove the spice_opusXXX_linux_DATE_TIME directory that was created by unpacking the .tar.gz archive.

Setting up the environment

We shall assume that you are using BASH. Add the following two lines to /etc/profile (you must be root in order to be able to do it).

OPUSHOME=INSTALL_PREFIX export OPUSHOME

where INSTALL_PREFIX is the tree where you installed Spice Opus.

It is also convenient if you add INSTALL_PREFIX/bin to your path. Add the following two lines at the end of /etc/profile.

PATH=\$PATH:\$OPUSHOME/bin export PATH

Log out and log in again for the changes to take effect.