

Simulink[®] Parameter Estimation[™] Release Notes

How to Contact The MathWorks



www.mathworks.com Web
comp.soft-sys.matlab Newsgroup
www.mathworks.com/contact_TS.html Technical Support



suggest@mathworks.com Product enhancement suggestions
bugs@mathworks.com Bug reports
doc@mathworks.com Documentation error reports
service@mathworks.com Order status, license renewals, passcodes
info@mathworks.com Sales, pricing, and general information



508-647-7000 (Phone)



508-647-7001 (Fax)



The MathWorks, Inc.
3 Apple Hill Drive
Natick, MA 01760-2098

For contact information about worldwide offices, see the MathWorks Web site.

Simulink® Parameter Estimation™ Release Notes

© COPYRIGHT 2004–2008 by The MathWorks, Inc.

The software described in this document is furnished under a license agreement. The software may be used or copied only under the terms of the license agreement. No part of this manual may be photocopied or reproduced in any form without prior written consent from The MathWorks, Inc.

FEDERAL ACQUISITION: This provision applies to all acquisitions of the Program and Documentation by, for, or through the federal government of the United States. By accepting delivery of the Program or Documentation, the government hereby agrees that this software or documentation qualifies as commercial computer software or commercial computer software documentation as such terms are used or defined in FAR 12.212, DFARS Part 227.72, and DFARS 252.227-7014. Accordingly, the terms and conditions of this Agreement and only those rights specified in this Agreement, shall pertain to and govern the use, modification, reproduction, release, performance, display, and disclosure of the Program and Documentation by the federal government (or other entity acquiring for or through the federal government) and shall supersede any conflicting contractual terms or conditions. If this License fails to meet the government's needs or is inconsistent in any respect with federal procurement law, the government agrees to return the Program and Documentation, unused, to The MathWorks, Inc.

Trademarks

MATLAB and Simulink are registered trademarks of The MathWorks, Inc. See www.mathworks.com/trademarks for a list of additional trademarks. Other product or brand names may be trademarks or registered trademarks of their respective holders.

Patents

The MathWorks products are protected by one or more U.S. patents. Please see www.mathworks.com/patents for more information.

Summary by Version	1
Version 1.2.3 (R2008b) Simulink® Parameter Estimation Software	3
Version 1.2.2 (R2008a) Simulink® Parameter Estimation Software	4
Version 1.2.1 (R2007b) Simulink® Parameter Estimation Software	5
Version 1.2 (R2007a) Simulink® Parameter Estimation Software	6
Version 1.1.4 (R2006b) Simulink® Parameter Estimation Software	7
Version 1.1.3 (R2006a) Simulink® Parameter Estimation Software	8
Version 1.1.2 (R14SP3) Simulink® Parameter Estimation Software	9
Version 1.1.1 (R14SP2) Simulink® Parameter Estimation Software	10
Version 1.0 (R14) Simulink® Parameter Estimation Software	11
Compatibility Summary for Simulink® Parameter Estimation Software	12

Summary by Version

This table provides quick access to what's new in each version. For clarification, see “Using Release Notes” on page 1.

Version (Release)	New Features and Changes	Version Compatibility Considerations	Fixed Bugs and Known Problems	Related Documentation at Web Site
Latest Version V1.2.3 (R2008b)	No	No	Bug Reports Includes fixes	Printable Release Notes: PDF Current product documentation
V1.2.2 (R2008a)	No	No	No bug fixes	No
V1.2.1 (R2007b)	No	No	No bug fixes	No
V1.2 (R2007a)	No	No	Bug Reports Includes fixes	No
V1.1.4 (R2006b)	No	No	Bug Reports	No
V1.1.3 (R2006a)	No	No	Bug Reports	No
V1.1.2 (R14SP3)	No	No	Bug Reports	No
V1.1.1 (R14SP2)	Yes Details	No	Fixed bugs	No
V1.0 (R14)	Yes Details	No	No bug fixes	No

Using Release Notes

Use release notes when upgrading to a newer version to learn about:

- New features
- Changes
- Potential impact on your existing files and practices

Review the release notes for other MathWorks™ products required for this product (for example, MATLAB® or Simulink®) for enhancements, bugs, and compatibility considerations that also might impact you.

If you are upgrading from a software version other than the most recent one, review the release notes for all interim versions, not just for the version you are installing. For example, when upgrading from V1.0 to V1.2, review the release notes for V1.1 and V1.2.

What's in the Release Notes

New Features and Changes

- New functionality
- Changes to existing functionality

Version Compatibility Considerations

When a new feature or change introduces a reported incompatibility between versions, the **Compatibility Considerations** subsection explains the impact.

Compatibility issues reported after the product is released appear under Bug Reports at the MathWorks Web site. Bug fixes can sometimes result in incompatibilities, so you should also review the fixed bugs in Bug Reports for any compatibility impact.

Fixed Bugs and Known Problems

The MathWorks offers a user-searchable Bug Reports database so you can view Bug Reports. The development team updates this database at release time and as more information becomes available. This includes provisions for any known workarounds or file replacements. Information is available for bugs existing in or fixed in Release 14SP2 or later. Information is not available for all bugs in earlier releases.

Access Bug Reports using your MathWorks Account.

Version 1.2.3 (R2008b) Simulink Parameter Estimation Software

This table summarizes what's new in Version 1.2.3 (R2008b):

New Features and Changes	Version Compatibility Considerations	Fixed Bugs and Known Problems	Related Documentation at Web Site
No	No	Bug Reports Includes fixes	Printable Release Notes: PDF Current product documentation

Version 1.2.2 (R2008a) Simulink Parameter Estimation Software

This table summarizes what's new in Version 1.2.2 (R2008a):

New Features and Changes	Version Compatibility Considerations	Fixed Bugs and Known Problems	Related Documentation at Web Site
No	No	No bug fixes	No

Version 1.2.1 (R2007b) Simulink Parameter Estimation Software

This table summarizes what's new in Version 1.2.1 (R2007b):

New Features and Changes	Version Compatibility Considerations	Fixed Bugs and Known Problems	Related Documentation at Web Site
No	No	No bug fixes	No

Version 1.2 (R2007a) Simulink Parameter Estimation Software

This table summarizes what's new in Version 1.2 (R2007a):

New Features and Changes	Version Compatibility Considerations	Fixed Bugs and Known Problems	Related Documentation at Web Site
No	No	Bug Reports Includes fixes	No

New Demos for Simulink Parameter Estimation Software

There are two new demos for this release:

- The spe_speed demo complements the scdspeed demo discussed in Simulink® Control Design™ help.
- The spe_servomotor demo illustrates the use of Simulink® Parameter Estimation™ software with SimPowerSystems™ and SimDriveline™ products.

Version 1.1.4 (R2006b) Simulink Parameter Estimation Software

This table summarizes what's new in Version 1.1.4 (R2006b):

New Features and Changes	Version Compatibility Considerations	Fixed Bugs and Known Problems	Related Documentation at Web Site
No	No	Bug Reports	No

Version 1.1.3 (R2006a) Simulink Parameter Estimation Software

This table summarizes what's new in Version 1.1.3 (R2006a):

New Features and Changes	Version Compatibility Considerations	Fixed Bugs and Known Problems	Related Documentation at Web Site
No	No	Bug Reports	No

Version 1.1.2 (R14SP3) Simulink Parameter Estimation Software

This table summarizes what's new in V1.1.2 (R14SP3):

New Features and Changes	Version Compatibility Considerations	Fixed Bugs and Known Problems	Related Documentation at Web Site
No	No	Bug Reports	No

Version 1.1.1 (R14SP2) Simulink Parameter Estimation Software

This table summarizes what's new in V1.1.1 (R14SP2):

New Features and Changes	Version Compatibility Considerations	Fixed Bugs and Known Problems	Related Documentation at Web Site
Yes Details below	No	Fixed bugs	No

New features and changes introduced in this version are described here.

SimMechanics, SimPowerSystems, and SimDriveline Models Are Supported

You can now perform parameter estimation for SimMechanics™, SimPowerSystems, and SimDriveline models.

Faster Simulation with Simulink Accelerator Software

You can now enable the Simulink® Accelerator™ mode in the Simulink window for faster simulation. For more information, see the Simulink documentation .

Demos for Simulink Parameter Estimation Software

Eleven new demos show how you can apply Simulink Parameter Estimation software in different application areas.

Version 1.0 (R14) Simulink Parameter Estimation Software

This table summarizes what's new in V1.0 (R14):

New Features and Changes	Version Compatibility Considerations	Fixed Bugs and Known Problems	Related Documentation at Web Site
Yes Details below	No	No bug fixes	No

New features and changes introduced in this version are described here.

Simulink Parameter Estimation Software

Simulink Parameter Estimation software provides a graphical user interface for estimating the parameters and initial states of a Simulink model using empirical input and output data pairs. You can also perform estimation using objects and methods. For more information, see the Simulink Parameter Estimation documentation.

Simulink Parameter Estimation software lets you do the following:

- Estimate parameters from measured (transient) data.
- Estimate initial conditions (initial states).
- Compare data from a model to empirical data during parameter estimation.
- Validate models after completing parameter estimation.

Compatibility Summary for Simulink Parameter Estimation Software

This table summarizes new features and changes that might cause incompatibilities when you upgrade from an earlier version, or when you use files on multiple versions. Details are provided in the description of the new feature or change.

Version (Release)	New Features and Changes with Version Compatibility Impact
Latest Version V1.2.3 (R2008b)	None
V1.2.2 (R2008a)	None
V1.2.1 (R2007b)	None
V1.2 (R2007a)	None
V1.1.4 (R2006b)	None
V1.1.3 (R2006a)	None
V1.1.2 (R14SP3)	None
V1.1.1 (R14SP2)	None
V1.0 (R14)	None