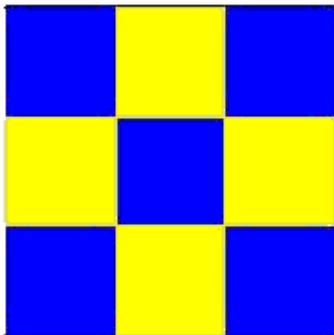


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Installation Guide



SusProg3D

Suspension by Design

SusProg3D - Suspension by Design

SusProg3D - Robert D Small

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1 SusProg3D installation

- System requirements.

SusProg3D will run on all currently supported Microsoft Windows 64-bit operating systems: Windows 10 and Windows 11.

SusProg3D is only available as 64-bit.

All older operating systems and all 32-bit operating systems are considered obsolete.

The preferred minimum OS is Windows 10 Creators Update Version 1703 Build 15063 Released March 2017

Our test suite uses Windows 11 Pro 64-bit on desktop and Windows 10 Pro 64-bit on laptop.

To run SusProg3D you will need OpenGL. This is provided by GLU32.DLL and OPENGL32.DLL.

SusProg3D may not run on systems with 256 colours. High colour (16 bit) is recommended.

Not all combinations of colour depth and screen resolution are supported on all video cards.

You may have to try alternative colour depth and screen resolutions.

OpenGL hardware acceleration is dependent on correctly installed drivers, screen resolution and colour depth.

Consult the documentation provided by the manufacturer of your video card.

If your video card does not support OpenGL with either an ICD or MCD, then the default software emulation provided by the Microsoft OpenGL drivers will be used.

To enable OpenGL hardware acceleration with 3dfx video cards, consult the vendor's documentation.

SusProg3D has not been tested and may not run correctly with any 3dfx implementation of OpenGL libraries.

To display the OpenGL driver details, select Help -> OpenGL.

For additional information about OpenGL, see www.opengl.org

SusProg3D requires a minimum screen resolution of 800 by 600 pixels, small fonts and gives best results with a minimum resolution of 1024 by 768 pixels, small font.

See Settings -> Control Panel -> Display -> Settings for your settings.

To use the Excel interface, you will need Excel2002 (V10.0) or later. This is the version of Excel included with OfficeXP.

Excel2000 (V9.0) and earlier are not supported.

All SusProg3D development and testing uses Excel2016 (V16.0) included with Office 2019.

Excel that is included with Office 365 On-line version is NOT supported.

- Previous versions

If you are upgrading from V4 you will need to uninstall the old version.

If you are upgrading from V5 the install will replace the old version with the latest version.

To uninstall with Windows 10

Go to Start -> Settings and then under Windows Settings click on Apps.

Scroll down and find SusProg3D. Select it, and then click on Uninstall and follow the instructions.

To uninstall with Windows 11

Click on the Search icon (normally in the bottom left hand corner) and type in Uninstall and then click on "Add or remove programs".

In the "App list" type in "SusProg" and then scroll down and find SusProg3D.
Click on the "Menu" icon, and then click on Uninstall and follow the instructions.

- Installation

Download SusProg3DSetup.exe and save it to a temporary directory, for example C:\temp.

Run the setup executable, SusProg3DSetup.exe

Then the SusProg3D Setup Wizard will start. Click on Next.

Read and accept the Licence Agreement, then click Next.

A copy of the installation and other notes will display. Read, then click Next.

Enter your user name and, optionally, your organization, then click Next.

The user name shown will default to the administrator's user name, even if you started the install under your own user name.

The destination folder name will be shown.

If you wish to install the executables in a different location, change this.

Click Next.

The name of the start menu folder will be shown.

You can change this name if you wish.

Click Next.

The confirmation screen will display. Click Install.

After all the files have been copied, the final information screen will display. Click Next

And then the installation is completed. Click Finish.

By default, SusProg3D 64-bit will install into C:\Program Files\SusProg3D\bin

To find the sample data sets, go to File -> Open (Vehicle).

This will open a file dialog, with the current folder your user documents folder.

Click on the "Up one level" icon twice. This will bring you to the Desktop level.

Double click on "Public", then double click on "Public Documents". The sample data sets will be shown. Double click on any one, and it will be opened in the main Susprog3D screen.

If SusProg3D is in Evaluation mode, you can now register.

- Obsolete operating systems

Windows 95, Windows 98, Windows Me, Windows NT4, Windows 2000, Windows XP, Windows Vista, Windows 7 and Windows 8.

All Windows 32-bit operating systems.

We do not provide any support for hardware and/or software issues on these operating systems.

- Does SusProg3D run on a Mac?

SusProg3D supports Windows 64-bit operating systems.

We have no plans to produce a native Mac version.

- Registration.

The unregistered version of SusProg3D will use fixed wheel and upright dimensions. To change wheel and upright dimensions this program must be registered. If you have a current registered copy of of an earlier version of SusProg3D then this version will attempt to use that registration.

- SusProg3D to Microsoft Excel

Requires Excel2002 (V10.0) or later.

If the Excel dialog box is kept open, then the Excel data will refresh with each calculation.

A sample Excel spreadsheet is included with the data files, MyData.xls

Additional data will be made available in future updates on request.