

Introduction

One of the features of Spring Calculator Professional is the optional Optimisation module. This is not included in the standard trial version because it is slightly more complicated to install and configure. Full instructions are included in this document; if you do not have a specific license key including the Optimisation module, please contact IST..

Detailed Steps

Downloading the software

As well as the main program installation, which you should already have run, you will need to download the Matlab runtime files:

<http://files.ist.org.uk/scp/MCRInstaller.zip> (102 MB)

Unless you are installing on Windows XP, please also download this small file:

http://files.ist.org.uk/scp/MCR_Reg.exe (114 KB)

Installing the license

If you try running the software either without a license or after the initial demo has expired, you will see a screen telling you there is no license available. Clicking on the “Enter License Key” button brings up another window where you will enter the new license.

If your demo license is still active, bring up the Help menu and click on Enter License Key.

Installing Optimisation modules

To run the Optimisation modules, you must follow a couple of extra steps (the new license key will enable the Optimisation window, but it will crash when you click Calculate. The first of these is to install the Matlab runtime libraries. To do this, double-click on the zip file you downloaded a minute ago to extract it and run the Setup.exe file.

Then you need to register the optimisation libraries. The method differs depending on the version of Windows you have installed.

Registering the Optimisation files

Run MCR_Reg, which is the second download link on the previous page. It will ask for administrator privileges, and must be allowed to run in order to register the files. You will also need to run Spring Calculator Professional with administrator rights the first time you perform an optimisation calculation (to do this, right-click on the program

shortcut and choose Run As Administrator) – but once you’ve done this once, you can run it as normal subsequently.

Registering the Optimisation files on Windows XP

On Windows XP, there is a batch file in the program installation folder called opt_regxx.bat (the xx is a number and may differ depending on the version of this file); by default this installation folder is C:\Program Files\ISTSpringDesign (or C:\Program Files (x86)\ISTSpringDesign on a 64-bit system). Simply double-click on this file to run it.