1 Using rtf2latex2e in Scientific WorkPlace

This document describes how to configure rtf2latex2e and use it in Scientific WorkPlace. The instructions are written for Scientific WorkPlace version 3.5, but should also apply to version 3.0 as well as Scientific Notebook, Scientific Word and Scientific Viewer.

It is expected that rtf2latex2e will be the default RTF converter in future versions of Scientific WorkPlace.

1.1 Get rtf2latex2e

You will need to get a current copy of rtf2latex2e. For example, you can get a copy from the *rtf2latex2e Homepage* http://sourceforge.net/projects/rtf2latex2e/. It should also be available on CTAN.

1.2 Install rtf2latex2e

Follow the instructions provided with rtf2latex2e to install. This document assumes you install into a directory c:\swp35\rtf2latex2e.

1.3 Configure rtf2latex2e

Because rtf2latex2e is a very general program, meant to run on UNIX, Macintosh and Windows, you will need to configure it work better with Scientific WorkPlace.

1. With a text editor (e.g. Notepad), open c:\swp35\rtf2latex2e\pref\r2l-pref.

2. Change the IGNOREHYPERTEXT preference to TRUE.

3. Change the SWPMODE preference to TRUE.

4. Save the file.

1.4 Configure SWP

This is the hardest step of the process. You need to tell SWP to use rtf2latex2e.exe instead of the existing rtf2ltx.exe.

1. Start the registry editor, regedit. (In Windows, START - RUN... - REGEDIT.)

2. Navigate to HKEY_CURRENT_USER\Software\MacKichan Software\Scientific Workplace\3.50\RTF

3. The key RTFExecutablePath should say c:\swp35\RTF\rtf2ltx.exe. Change this to c:\swp35\rtf2latex2e\rtf2latex2e.exe.

4. Delete the key RTFParameter.0001.

5. Close regedit.

1.5   Using it

You should be all set to open RTF files with rtf2latex2e. Inside SWP, you can use either FILE OPEN or FILE IMPORT CONTENTS and select RTF (*.rtf) as the file type.

1.6   Issues

When converting certain kinds of files, you will numerous gray boxes (like "and \) on the Scientific WorkPlace screen. Though these are unsightly, the document should pass through LaTeX just fine. This problem will be fixed in future versions of Scientific WorkPlace.

Sometimes, Scientific WorkPlace with say something like "File not valid for selected filter." In all known cases, this message is spurious and you can now open the generated .tex file directly.

1.7   Acknowledgements

Many thanks to the author of rtf2latex2e, *Ujwal S. Sathyam*, for creating the program and keeping it up-to-date with respect to new versions of RTF and LaTeX.