

PLT Tools

A Graphical Interface for the NONMEM System

Acknowledgements

Version 4.0

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PLT Tools requires a number of functions from the operating system. One of these is `diff`, a UNIX utility that compares files on a line-by-line basis. Two additional utilities are `ps` and `kill`, utilities that determine what applications are running and, if appropriate, terminating them. In the OS X and Linux distributions of **PLT Tools**, these utilities are provided with the operating system. With Windows, they are not provided as part of the operating system. Instead, we provide open source versions (in the folder `PLTTools\UTILITIES`), `diff.exe`, `wps.exe`, and `wkill.exe`. Information about the distribution of `diff.exe` is provided on the next page.

A fourth utility that we provide is `XDir.exe`. As part of the installation process, the file `nmfe7` (`nmfe7.bat` in Windows) is copied to the folder `PLTTools`. This process is initiated by looking for `nmfe7` (`nmfe7.bat`) in the default location recommended by Globomax (`/opt/nm7/run` in OS X and Linux; `\nm7\run` in Windows). If it is located, the process is complete. However, if the file is not located, a more extensive search is conducted. Due to the limitations of the `dir` command in Windows, we provide a search tool named `XDir.exe`. This “mailware” application (meaning that distributors should notify the inventor of its distribution) is provided; see the `xdir-en.txt` for additional information.

A fifth utility that we provide is `nmsee`, a NONMEM post-processor developed by Alison Boeckmann of the NONMEM Project Group; this software is not supported by the NONMEM Project Group. It is available without fee from the Globomax repository, <ftp.globomaxnm.com> in the folder `/Public/nonmem/nmsee`.

Finally, to incorporate conditional weighted residuals (CWRES, developed by Hooker *et al.*) into **PLT Tools**, the source code for CWRES was modified to permit its use with either R or S-Plus (the version distributed with Xpose *via* SourceForge works only with R). Xpose is distributed under a GNU General Public License, requiring that source code is available to the user. The code is stored as a text document in the `PLTTools` folder. This permits the user to examine the code, compare it to the version provided with Xpose, and to modify the code if desired.

diff.exe

PLT Tools compares files using a Unix utility named “diff”. Default distributions of Linux and OS X contain diff (/usr/bin/diff) so no additional steps are needed for those platforms. However, Windows does not contain a comparable utility so we have provided one to you (PLTTools\UTILITIES\diff.exe). The diff.exe executable provided as part of the Windows installation is open-source code available under a BSD license. Under this license, we are obligated to reproduce the following text from the source code:

```
////////////////////////////////////
//
//  FILE:          readme.txt
//  DATE:          9-Nov-01
//  AUTHOR:        Joev Dubach
//  DESCRIPTION:   Picnix release notes.
//
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// OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
//
// See end of file for revision history.
//
////////////////////////////////////
```

If users purchase a license for **PLT Tools** and intend to install that license on a Windows platform, they will need to download their own copy of the executable from sourceforge.net/projects/picnix. Instructions for this download and installation will be provided with the license key.