

Instructions for Compiling PEST++ on Linux

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Introduction:

The windows version of PEST++ supports the serial, YAMR and GENIE run managers, however Genie is not available under Linux so the Linux version of PEST++ only supports the serial and YAMR run managers.

The PEST++ input instructions located at http://www.inversemodeler.org/downloads/pest++_input.pdf provides a quick summary of the run managers as well as the command line arguments necessary to invoke them.

Dependencies:

- 1) gcc, g++ and gfortran 4.9.0 or newer : PEST++ relies on some newer features of C++11 standard which are only supported in these newer releases .
- 2) blas
- 3) lapack

Instructions to build PEST++ on Linux:

- 1) Edit the file `pestpp/pest++/common/config_os.h` and make the following change:

change: <code>//#define OS_LINUX</code> <code>#define OS_WIN</code>
to: <code>#define OS_LINUX</code> <code>//#define OS_WIN</code>

- 2) In the main `pestpp` directory execute the following command to delete any files associated with a previous build:

```
make -f makefile_linux clean
```

- 3) Build PEST++ in the main `pestpp` directory using the following command:

```
make -f makefile_linux clean
```

This creates the PEST++ executable:

```
pestpp/pest++/pestpp
```