INSTALLATION MANUAL

`CLASS-PT` is installed and configured in 8 easy steps:

1. Download the `OpenBLAS` library from `http://www.openblas.net/`

2. Extract the library in some folder and configure the package by executing

   $ `gmake CC=gcc FC=gfortran`

   in that folder.

3. Install the package via

   $ `make install PREFIX=path/to/OpenBLAS`

4. Download and unpack (or `git pull`) `CLASS-PT`

5. Change the path to `OpenBLAS` in `CLASS-PT/Makefile` to your actual path to the compiled library `path/to/OpenBLAS/lib/libopenblas.a`

6. Update the paths to `path/to/OpenBLAS/lib/libopenblas.a` in the `extra_link_args` of `CLASS-PT/python/setup.py`

7. Compile `CLASS` as usual by typing

   $ `make clean`

   $ `make`

8. You are all set. You can run `CLASS-PT` and `classy`.

Finally, a software-related warning is in order. We found that the OpenBLAS library conflicts with the library `Intel MKL` which is used in `numpy` version `1.16` and higher on some machines. This incompatibility makes `classy` crash with "segmentation fault" even though the code can be executed with a `.ini` file without any errors. If this is the case on the user's computer, an easy fix is to use the `numpy` versions lower than `1.16`. We plan to resolve this issue in future releases.