

# Overview of YAFEL

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## 2 Compilation and Installation

Upon cloning the YAFEL repository, simply run the “`compile.sh`” script. This script simply appends a few lines to the end of your `.bashrc` file and exports an environment variable `YAFELDIR`, which is necessary to compile the library and is useful when linking against the library. Compiling the YAFEL library is trivially easy on Linux and Unix-like systems. The library is currently designed to compile using the GNU Make utility. There are a variety of parameters that can be modified, such as whether to parallelize some linear algebra subroutines with `openMP`. These parameters are in the file “`common.mk`” in the YAFEL root directory.