

This new developmental version of 1D Poisson for Windows has some nice new features, but a few changes as well.

To install the program, move 1D Poisson.exe to the folder where you want it to live. Next move the materials.txt and input files to this folder. In this distribution package, the materials file has been placed in the folder "input_files_Examples", but feel free to put the input files and materials.txt file anywhere you like.

There are a number of new features in version Beta 8, including polarization charge for nitrides, general grading possible for all parameters, sheet charges, unlimited mesh points, unlimited subbands, easy to use superlattice definition, and .txt extension used for all input and output files. Play around with it and let me know if you find any bugs. There is not any new documentation yet, but it mostly works as before, and the example input files illustrate things (the input files must be moved to the same directory as the program, as before). In this version you must use a separate editing program to add to the materials file (that part of the code is not ready yet), but I've included instructions on how to modify the materials.txt file.