

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

To install the program, drag the folder “1D Poisson” from the distribution folder to your “Applications” folder. Next you must modify the file “1Dpoi\_pref.txt” in the “1D Poisson” folder to contain the directory path where the materials file and input files will be placed. This does not need to be the directory where the program is located. When you start the program 1D Poisson, it looks in the file “1Dpoi\_pref.txt” to get the path to the materials and input files. In this distribution, 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. 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.