**Read me**

As pointed out in the ***Users Manual***, the files necessary for operating the program are included in this folder. They are listed next.

1. The *main.f95* file: This is the Fortran source program.
2. The *config* file: This file as its name implies contains the values of the variables for initially configuring the system.
3. The *profile* file: The file which contains the values of the layer resistances.
4. The *current* file\*: This file contains the current values of all the loop currents of the model (solution to eq. 9 of the paper).
5. The *DEV0* file\*: This file is produced as an output whenever Δs = 0. If the program is run with the value of Δs = 0, the old *DEV0* file in the folder must be deleted, otherwise there will be a run time error (see Users Manual).

\* These are files which are produced when the program runs.