The hardware and software requirements for this program are described in the readme.txt file.

This program contains two folders, “DM” and “DX”.

First is DM: This is the simulation program for the fracture plane reservoir, there are three files inside, they are the program “DM.py”, the input file “DM\_input”, the output file “DM\_output. txt”.

You need to run DM.py on a computer with python environment and configure the correct path of DM\_input to get the simulation result DM\_output in the same path.

Next is DX: This is the simulation program about the cave type, there are two files and one folder inside, the two files are the program DX.py and the input file DX\_input, and the folder DX\_output, the output file will be saved here.

Users need to run DX.py in a computer with python environment, configure the correct path of DX\_input, then you can get the output result in DX\_output folder.

Note: If you want to display the results in 3D, you can create a 3D mesh with grid number greater than or equal to 225\*90\*400 in the geological modeling software, and then import the output file into the 3D mesh to display the simulation results.