ICM Tools

# Timestep\_log\_file\_reader

The timestep log is very useful When debugging an InfoWorks ICM model, however, the log file usually will have thousands of lines and extracting the useful information can be a challenge.

The “timestep\_log\_file\_reader.ipynb” can extract the count tables showing the nodes and links with trouble in calculation into an Excel spreadsheet.

Here are a few example tabs,

* 93-Unconverged link depth
* 98-Unconverged nodes coun
* 1084-Link depth fail coun

The tab name starts with the line no, then the name of that table.

A screenshot of a computer

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The first few tables are for initializations, and the following tables are for the simulation.

To use this tool,

* step 1 turn on timestep log in the RUN

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* step 2 run the simulation
* step 3 export the log to a file

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A screenshot of a computer results

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A screenshot of a computer screen

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* step 4 set up the log path, and the excel\_path in the notebook and run the cell

A screen shot of a computer code

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You will have a spreadsheet with all the count tables, and ordered by the count.

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