

README xyz_to_empipeline

Download Instructions: Unzip the xyz_to_empipeline.zip file to a folder on your computer. It will unpackage this README file and the xyz_to_empipeline.msi installer file. Run the .msi installer. If you choose the default install path, it will install to C:\Program Files\CEMVN\build_xyz_to_empipeline or C:\Program Files (x86)\CEMVN\build_xyz_to_pipeline. The installation folder will include the xyz_to_empipeline.exe program executable and several python library files (.pyd and .dll files). The .exe file must remain in the same folder as its associated library files in order to run correctly.

Input File Requirements: The xyz_to_empipeline utility program will check for files with a .xyz or .txt file extension. An input file should include X, Y, and Z elements on each line. The order should be X, Y, Z. The X, Y, Z elements can be comma-separated, space-separated, or tab-delimited.

Running the Program (Option 1): The simplest way to run the program is to copy one or more .xyz or .txt extension files into the same folder as the build_xyz_to_empipeline install folder. Double-click on the xyz_to_empipeline.exe file to run it. The program will search for all .xyz and .txt files in that folder, and will generate a .em file for each .xyz or .txt file that can be correctly parsed.

Running the Program (Option 2): The xyz_to_empipeline utility program can also be run by opening a CMD prompt on your computer. Type in the full path to the xyz_to_empipeline.exe executable at the prompt. You can specify 0 arguments or 1 argument.

0 arguments:

```
"C:\Program Files\CEMVN\build_xyz_to_empipeline\xyz_to_empipeline"
```

1 argument:

```
"C:\Program Files\CEMVN\build_xyz_to_empipeline\xyz_to_empipeline" C:\temp2
```

If 0 arguments are specified, the program will search for any .xyz and .txt files in the same folder as the xyz_to_empipeline.exe, and process those files. If 1 argument is specified, it can either be the full path to a single file or the full path to a folder on the computer. The xyz_to_empipeline.exe program will parse the specified file or all .xyz and .txt files in the specified folder.

When the xyz_to_empipeline utility program is run from the CMD prompt, it will echo back messages of success or parsing errors encountered. If an .em file is not being generated when you run the xyz_to_empipeline utility by double-clicking on the program executable, try running the executable from the CMD prompt. This will generate messages that are not displayed when the program is run using Option 1.

Feedback: If you have any questions about the xyz_to_empipeline utility program, contact the CEMVN PLOVER email: **MVN-Plover._ED-SE@usace.army.mil**