

Required Inputs

- AutoPIPE Results
 - File Type: XLS/XLSX
 - Required Sheets:
 - Forces_Moments
 - Support_Forces
 - Notes:
 - This file can be either **Global** or **Local**, the application does not differentiate. Ensure that the transformations you input when prompted are correct for the type of input you have provided (Global/Local)
- Word Template File
 - File Type: .DOCX
 - Contents
 - **15** Empty Nozzle Load Tables
 - **1** Support Force Table
 - **30** Rows for support data
 - Notes
 - *******The amount of Nozzle Load Tables CANNOT be changed.******* This application currently runs off the assumption that the 16th table in the template is the Support Table.
 - The user is free to add additional support rows to the table as required.
 - *******The document cannot be open when the program is run. Ensure it's closed before finalizing inputs*******

User Walkthrough

1. Double click the executable on your system to start the program
 - a. A terminal will open in addition to the GUI, you can ignore the terminal window
 - b. There may be a short delay between clicking and opening of the application
2. The user will be prompted to select the excel output file, navigate to and select the output file. Once the file is selected, click “Open”.

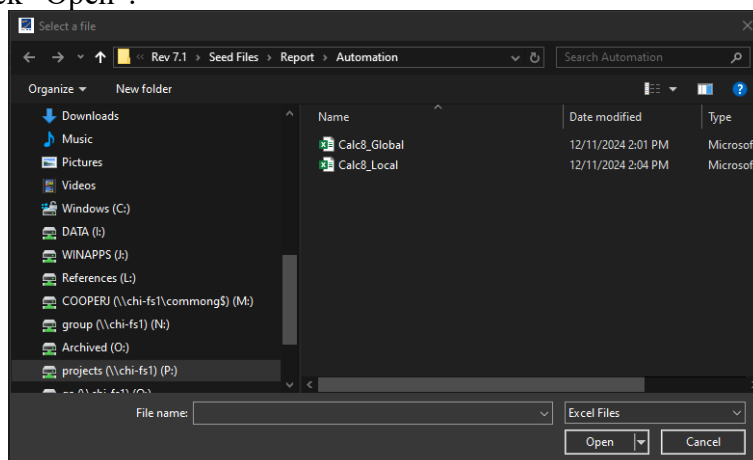


Figure 1: Input Selection Prompt

- The user will then be prompted to select your Word Output file, navigate to and select the copy of the template output file. Once the file is selected, click “Open”.

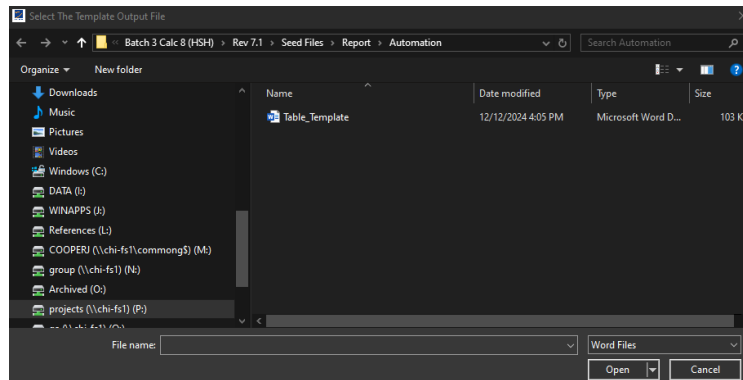


Figure 2: Output Selection Prompt

- The subsequent screen will allow the user to input their Nozzle Node Numbers and Support Node Numbers into their respective input boxes. Note that they must be either comma or space separated.

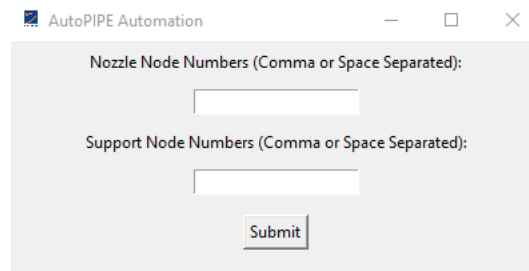


Figure 3: Nozzle/Support Input

- For each input Nozzle, the user will be prompted to input a coordinate transformation. The input should only contain the letters “x”, “y”, “z” or the “-” symbol. This input is not case sensitive. The transformation is relative to the coordinates of the input file. If the user were to want to swap the “X” and “Z” axes and negate the signs for their transformation the input would be: “-zy-x”. **If there is no transformation required simply leave the input box blank and click “Submit”.**

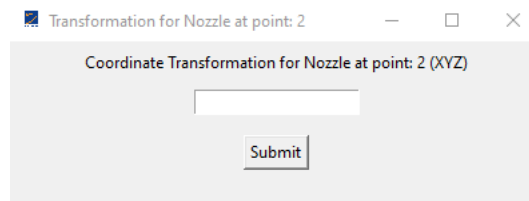


Figure 4: Transformation Input

- After submitting the transformation for the final nozzle, the application will shut down and the selected output file will be populated with the results.
- Any errors throughout the process should display pop-up boxes with the associated error. If one is encountered, close and restart the program. If an error occurs that is not caught by a pop-up or the

program crashes upon an input, please notify whoever is responsible for maintaining the program with any information that can help replicate and debug the error.