

# LTSpice to LaTeX Converter

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## Requirements and Set-Up

For this program to work, you will need to install several things enumerated below:

1. Install Python 3.7
2. Install LTspice
3. Install LaTeX packages: tikz, circuitikz, (amsmath)
4. Install PyQt5
5. Change the path in the “main.pyw” file to your LTSpice Path

## How to use LTSpice to LaTeX Converter

Once you have installed the packages above, double click the “main.pyw” file. A prompt as shown on Figure 1 should appear.

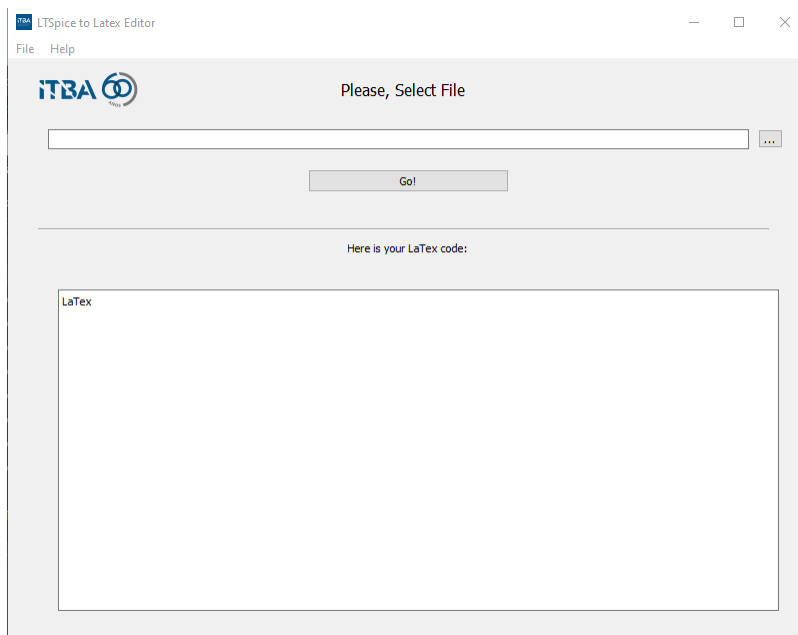


Figure 1: Main window

Once you opened the main window, to choose your LTSpice file, you will need to type the path of your file, or select it in the file manager. To do this, you will click on the ‘...’ button and select a ‘.asc’ file(as shown in Figure 2), a test file has been provided in this repository.

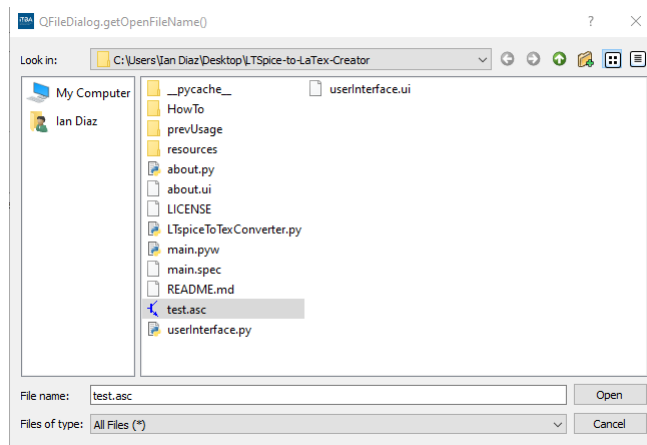


Figure 2: File manager

Once you’ve selected your file, click the “Go!” button, and the LaTeX code should appear. You can copy the code generated, or you can save it as a “.tex” file by clicking in File/Save or simply Ctrl+S

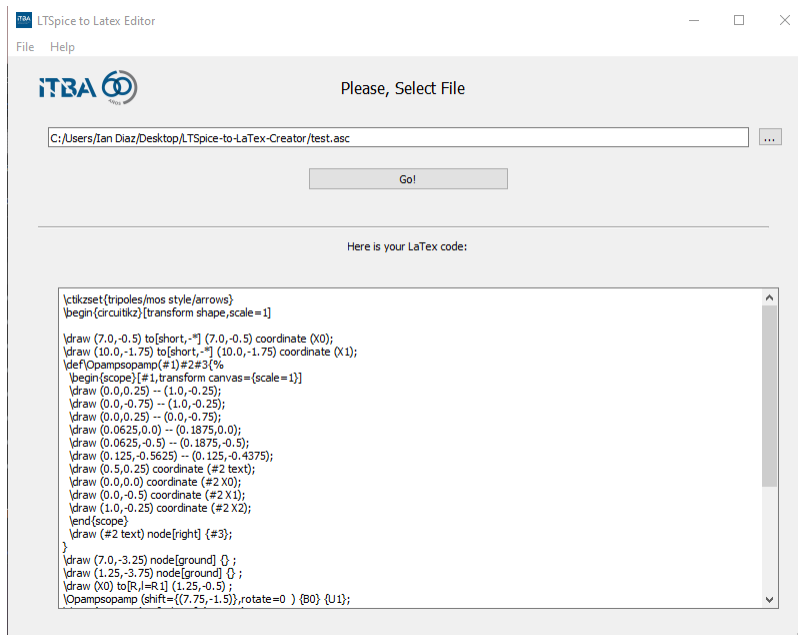


Figure 3: LaTeX code generated

## References

- [1] [https://github.com/Steffen-W/Convert\\_LTSpice\\_to\\_Latex](https://github.com/Steffen-W/Convert_LTSpice_to_Latex)
- [2] Credits to Steffen-W and mweizel