

Automated NEMA NU2 2007 Analysis

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- The codes for automated analysis can be found on my [GitHub](#)
- Run the NEMA_NU2.py code from the terminal specifying a root data directory as a positional argument.
- The data directory should be set up as demonstrated in the figure. The directories labelled header and data should each contain the respective headers and data files for each acquisition relevant to the analysis. The directory should contain no other files.

▼	accuracy	Today, 11:54 am	--	Folder
▶	data	Yesterday, 12:02 pm	--	Folder
▶	headers	Yesterday, 3:53 pm	--	Folder
▼	scatter	Today, 11:54 am	--	Folder
▶	data	17 Sep. 2020, 9:24 am	--	Folder
▶	headers	18 Sep. 2020, 1:23 pm	--	Folder
▼	sensitivity	Today, 11:54 am	--	Folder
▼	0cm	18 Sep. 2020, 2:02 pm	--	Folder
▶	data	18 Sep. 2020, 1:26 pm	--	Folder
▶	headers	18 Sep. 2020, 1:33 pm	--	Folder
▼	10cm	Today, 11:54 am	--	Folder
▶	data	18 Sep. 2020, 2:04 pm	--	Folder
▶	headers	18 Sep. 2020, 2:03 pm	--	Folder
▼	spatial_resolution	Today, 11:54 am	--	Folder
▼	data	Today, 11:54 am	--	Folder
▶	0_1_0	Today, 11:02 am	--	Folder
▶	0_10_0	Today, 11:02 am	--	Folder
▶	0_20_0	Today, 11:03 am	--	Folder
▶	20_1_0	Today, 11:03 am	--	Folder
▶	20_10_0	Today, 11:04 am	--	Folder
▶	20_20_0	Today, 11:04 am	--	Folder
▼	headers	Today, 11:54 am	--	Folder
▶	0_1_0	Today, 11:00 am	--	Folder
▶	0_10_0	Today, 11:00 am	--	Folder
▶	0_20_0	Today, 11:00 am	--	Folder
▶	20_1_0	Today, 11:01 am	--	Folder
▶	20_10_0	Today, 11:01 am	--	Folder
▶	20_20_0	Today, 11:01 am	--	Folder

Figure 1: Directory layout of the root data directory specified as the positional argument for the main NEMA_NU2.py code. Each data and headers directory contains corresponding header and data files.

- A number of .pdf files will be output containing the results from the analysis.