

UTulsa ECE Report Template

1 Introduction

Click [here](https://github.com/nikitazdviikov/ece-report-template) (<https://github.com/nikitazdviikov/ece-report-template>) for more info about this template.

Hint: use the `\input` command to organize your code. See what I did for “table with some cells merged” section: line 65 of `main.tex` inserts the content of `table-with-some-cells-merged.tex` at that point.

2 Basic examples

2.1 Figures

This is how you reference Figure 1.

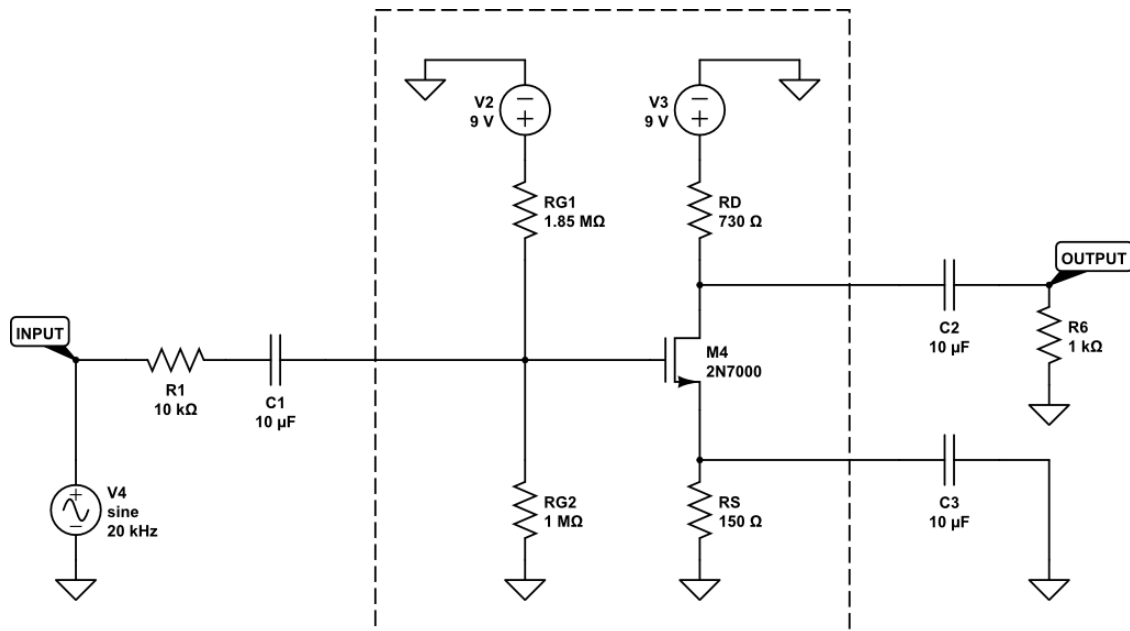


Figure 1: Amplifier circuit

2.2 Simple table

Table 1: Source-side measured values: V , I , P , Q , and $|S|$

V (V _{RMS})	I (V _{RMS})	P (W)	Q (VAR)	$ S $ (VA)
70.11	0.038	1.97	X	X
70.03	0.053	3.29	1.76	3.73
70.05	0.070	4.60	1.80	4.93
70.01	0.088	5.89	1.80	6.15
70.03	0.112	7.66	1.80	7.86
69.97	0.136	9.40	1.84	9.57
69.96	0.161	11.11	1.84	11.25
69.96	0.185	12.80	1.88	12.93
69.91	0.232	16.10	1.92	16.21
69.88	0.278	19.35	2.00	19.45

2.3 Table with some cells merged

Table 2: System of equations resolved for the four source pairings

Sources used				\dot{m}_1 (kg/s)	\dot{m}_2 (kg/s)	\dot{S}_{gen} (kJ/K)
1	2	3	4			
X		X		1.671	3.329	0.1178
X			X	4.603	0.397	0.4476
	X	X		2.782	2.218	0.0441
	X		X	4.833	0.167	0.1284

2.4 Code

```
#!/usr/bin/python3
from html.context import Context

def paragraph(html, line_data):
    line = line_data[0]
    blank_lines = line_data[1] > 1
    if blank_lines:
        html.check_and_close_paragraph()
        html.add('<p>' + line)
        html.push()
```

```
        html.need_to_close_paragraph = True
    else:
        html.add(html.expand_line(line))

paragraph_dict = {
    'paragraph': Context(None, paragraph, None, {})
}
```