

### The 1st box/Abstract/Introduction

1. Please make sure that this unzipped folder contains the following files:

- DSASposter.sty
- mycode.sty
- poster\_template.pdf
- poster\_template.tex

The **mycode.sty** file contains my own customized math commands. If you wish not to use it, feel free to remove or comment out Line 75 of this template:

```
\usepackage{mycode}
```

2. Please make sure that this unzipped folder contains the following folders:

- figs
- logos

The **figs** folder contains an illustrative graphic **poster2-002.pdf** used in this template. The **logos** folder contains 4 official logos. For the purpose of M.Sc. Day poster presentation, it suffices to use **Stacked\_CMYK.pdf** and **NewLogo\_DSAS.png**.

3. Please make sure that you have installed all necessary packages specified in the preamble of this template as well as the ones in **mycode.sty**.

### The 2nd box

Boxes are easy to generate. Use **\spacingone** between boxes within the first column to get uniformly vertical spacing. Like this:

```
\begin{boxedtext}[Box title]
  Body text.
\end{boxedtext}
```

**\spacingone**

```
\begin{boxedtext}[Box title]
  Body text.
\end{boxedtext}
```

### The 3rd box

If you’ve finished writing the first column, go to Line 69 and adjust the number (in inches) there:

```
\newcommand{\spacingone}{\vspace{...}\ }
```

Negative values are allowed. To achieve bottom-line alignment of all four columns, increase the value right before the contents are pushed to the next page.

### A filler box

- First itemtext

### The 2nd column

Notice that the column separator is the symbol **&**:

```
\begin{boxedtext}[Box title]
  Last box in column~1.
\end{boxedtext}
```

**&**

```
\begin{boxedtext}[Box title]
  First box in column~2.
\end{boxedtext}
```

### Vertical spacing in the 2nd column

Remember to use **\spacingtwo** in the second column to get uniformly vertical spacing.

### Including website links

Use **\url{http://...}** to include website links, like this:

<https://ctan.org>  
<https://scholar.google.ca>

### Formatting theorems

**Definition 1** (Differentiability). Let  $f$  be a real-valued function defined in a neighborhood of  $x_0$ . The function  $f$  is said to be *differentiable* at  $x_0$ , if the limit

$$f'(x_0) := \lim_{x \rightarrow x_0} \frac{f(x) - f(x_0)}{x - x_0} \quad (1)$$

exists *and* is finite.

**Theorem 2.** *If  $f: \mathbb{R} \rightarrow \mathbb{R}$  is differentiable at  $x_0$ , then  $f$  is continuous at  $x_0$ .*

*Proof.* Since

$$f'(x_0) = \lim_{x \rightarrow x_0} \frac{f(x) - f(x_0)}{x - x_0},$$

we have

$$\lim_{x \rightarrow x_0} [f(x) - f(x_0)] = f'(x_0) \lim_{x \rightarrow x_0} (x - x_0) = 0. \quad (2)$$

We may rewrite (2) as  $\lim_{x \rightarrow x_0} f(x) = f(x_0)$ , and hence complete the proof.  $\square$

**Corollary 2.1.** *If  $f: \mathbb{R} \rightarrow \mathbb{R}$  is differentiable everywhere, then  $f$  is continuous.*

Note that (2) holds because  $f'(x_0)$  is finite (thanks to Theorem 1). Theorem 2 and Corollary 2.1 are basic results from *Calculus*.

Remember to adjust the number in Line 70 when finishing writing the second column.

### Including graphics

You can place your graphics in the **figs** folder, then use

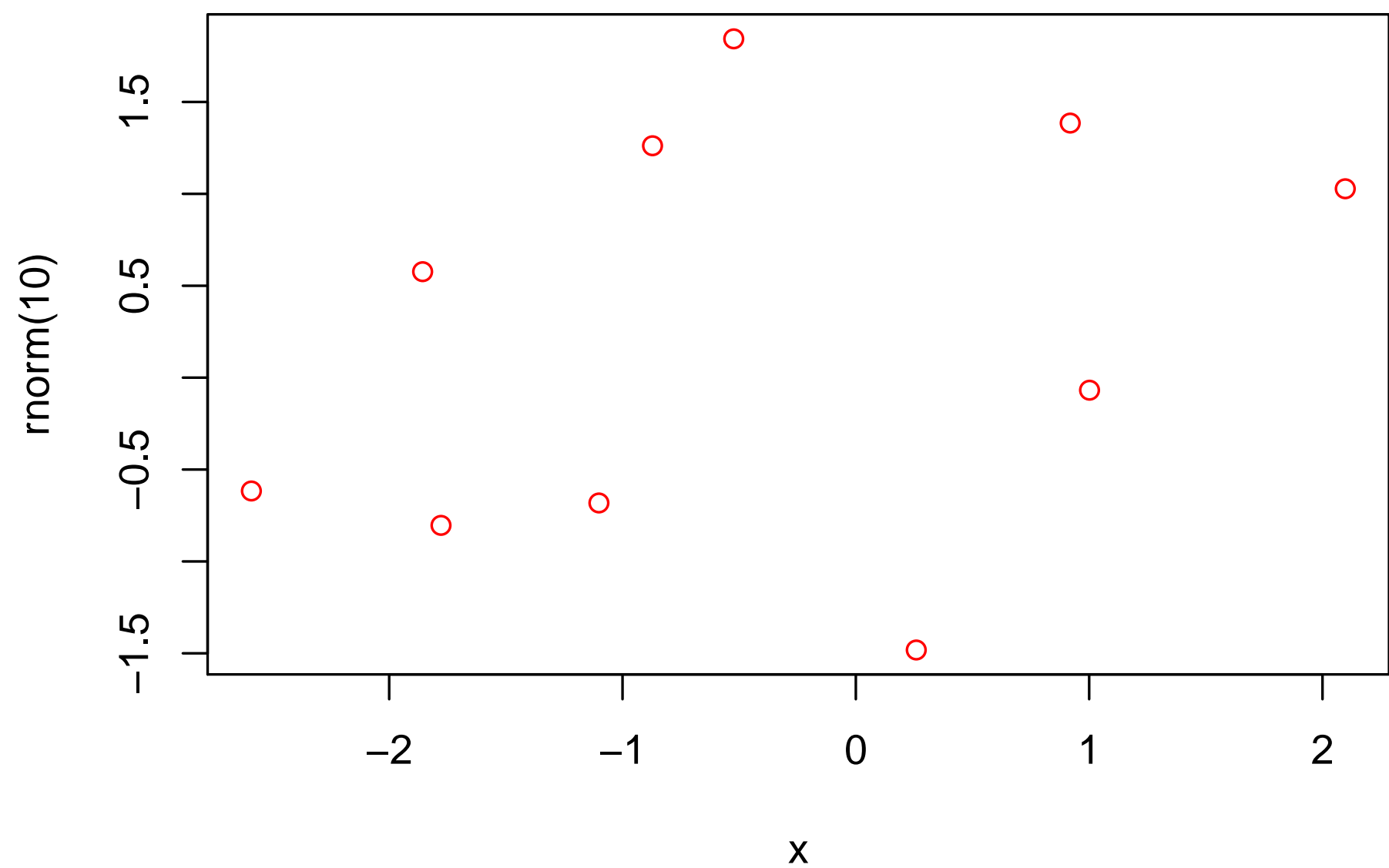
```
\includegraphics{figs/graphic_name}
```

to import graphics. The format **.pdf** for graphics is preferable since it stores graphic information in a vectorized way (unlike bitmap).

You can also use the **clip** option to remove white space on the top and the bottom of the figure. You may trim the graphic to get tighter fit. In the following example, the same graphic is trimmed from above and from below. The order of trimming is **left**, **bottom**, **right** and **top**. For example

```
\includegraphics%
  [trim=0mm 4mm 0mm 14mm,clip]%
  {figs/poster2-002}
```

produces the following figure:



Use use **\spacingthree** in the second column to get uniform spacing.

Remember to and adjust the number in Line 71 when finishing writing the third column.

### Another filler box

- First itemtext
- Second itemtext
- Last itemtext
- First itemtext
- Second itemtext
- Last itemtext
- First itemtext
- Second itemtext
- Last itemtext
- First itemtext

### Including tables

The following table is typeset with package **booktabs**.

Initial value	Data points	SSE
0	8	$1.234 \times 10^{-10}$
5	7	$2.468 \times 10^{-20}$
10	6	$9.753 \times 10^{-30}$

Note the use of **\phantom{0}** in the first two initial values.

Remember to use **\spacingfour** in the fourth column to get uniformly vertical spacing.

### Conclusions

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Etiam lobortis facilisis sem. Nullam nec mi et neque pharetra sollicitudin. Praesent imperdiet mi nec ante. Donec ullamcorper, felis non sodales commodo, lectus velit ultrices augue, a dignissim nibh lectus placerat pede. Vivamus nunc nunc, molestie ut, ultricies vel, semper in, velit. Ut porttitor. Praesent in sapien. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Duis fringilla tristique neque. Sed interdum libero ut metus. Pellentesque placerat. Nam rutrum augue a leo. Morbi sed elit sit amet ante lobortis sollicitudin. Praesent blandit blandit mauris. Praesent lectus tellus, aliquet aliquam, luctus a, egestas a, turpis. Mauris lacinia lorem sit amet ipsum. Nunc quis urna dictum turpis accumsan semper.

### Further discussions/Future work

- First itemtext
- Second itemtext
- Last itemtext
- First itemtext
- Second itemtext
- Last itemtext
- First itemtext
- Second itemtext

### References

- Article ...
- Book ...

### Acknowledgment

The author(s) would like to thank ...

Remember to adjust the number in Line 72 when finishing writing the fourth column.