

# Sample Poster Made with msuposter.cls

Your Name Here  
AMS Graduate Student Chapter

Advisor: Name, Department of Mathematics

Introduction

Type your introduction to your research here.

Section 1

Use the `block` environment to create different sections for your poster.

Section 2

You can fill in the existing blocks by typing in the spaces between `\begin{block}` and `\end{block}`.<sup>[1]</sup>

Section 3

Change the title of the block by editing the brackets immediately following `\begin{block}{...}`. By default, the block title will not be bold. If you'd like to make it bold you may add `\bfseries` at the front of the title.

Citations

It's important to use cite any references you have. Here is an example citation <sup>[2]</sup>.

Lists

Numbered lists may be created as such:

- This is item one.
- This is item two.
- This is item three.

Unnumbered lists may be created as such:

- Here's an item!
- Here's an item!
  - Here's a sub-item!
- Here's an item!

Tables

Here is an example of a table:

Table 1: The first table

Col 1	Col 2	Col 3
This Column	This Column	This Column
Is Aligned	Is Left	Is Centered

Figures

You can use the `tikz` package to draw figures. Here's an example:



Figure 1: Look at that awesome directed graph!

You can also include outside graphics:



Figure 2: Check out that Spartan S!

In order to refer back to the figures, you can label them with `\label{...}`, and then refer to them with `\ref{...}`. For example, I really like Figure 1 and Figure 2. And if you want to wrap text around figures, you can use the `wrapfig` package. For example:

>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetur id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus sit amet tortor gravida placerat. Integer sapien est, iaculis in, pretium quis, viverra ac, nunc. Praesent eget sem vel leo ultrices bibendum. Aenean faucibus. Morbi dolor nulla, malesuada eu, pulvinar at, mollis ac, nulla. Curabitur auctor semper nulla. Donec varius orci eget risus. Duis nibh mi, congue eu, accumsan eleifend, sagittis quis, diam. Duis eget orci sit amet orci dignissim rutrum.



Figure 3: A 2nd Spartan S!

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi. Morbi ac orci et nisl hendrerit mollis. Suspendisse ut massa. Cras nec ante. Pellentesque a nulla. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Aliquam tincidunt urna. Nulla ullamcorper vestibulum turpis. Pellentesque cursus luctus mauris.

Mathematics

Mathematics may be formatted as usual. We may wish to include some math within the text of our document. This can be accomplished as such:  $x^3 + 2x - 4$  is a polynomial. On the other hand, we may sometimes wish to have the mathematics displayed more prominently:

$$f(x) = x^3 + 2x - 4.$$

A good example that highlights how to handle fractions and square roots is the Quadratic Formula:

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a} \quad \text{where } a, b, c \in \mathbb{R}.$$

That example also illustrates that `\text{...}` in math mode is consistent with the normal text. Let's make sure big operators look good:

$$\int_a^b f(x)dx = \lim_{\max \Delta x_k \rightarrow 0} \sum_{k=1}^n f(x_k^*)\Delta x_k$$

Other Types of Blocks

In addition to the standard `block` environment, there are a handful of other block styles you may use. Some examples are:

- Environments from the `amsthm` package (e.g., `theorem`, `definition`)
- `exampleblock`
- `alertblock`

Definition (My Definition)

Here is a definition that is necessary to understand my research...

Theorem (My Theorem Title)

*Here's a theorem that I proved... Note that this text is automatically italicized.*

An Example Block

Here is an example that is highly insightful... Note that this style of block will automatically change the block's colors.

An Alerted Block

Here is something that is extremely important! Note that this style of block will automatically change the block's colors.

Acknowledgements

Make sure to include an acknowledgement section that recognized those that have helped in your work. Include any grant numbers here.

References

[1] Ian Goodfellow, Jean Pouget-Abadie, Mehdi Mirza, Bing Xu, David Warde-Farley, Sherjil Ozair, Aaron Courville, and Yoshua Bengio. Generative adversarial nets. In Z. Ghahramani, M. Welling, C. Cortes, N. Lawrence, and K. Q. Weinberger, editors, *Advances in Neural Information Processing Systems*, volume 27. Curran Associates, Inc., 2014.

[2] First Name Last Name. Title of article. *Journal Title*, vol(no):p1–p2, yyyy.