

# Article Title type here

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## Abstract

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**AMS Subject Classification:** Give at least one

**Key Words:** Give at least three

## 1 Introduction

Your introduction goes here! Simply start writing your document and use the Recompile button to view the updated PDF preview. Examples of commonly used commands and features are listed below, to help you get started.

## 2 Some examples to get started

Hello type here

### 2.1 How to create Sections and Subsections

Simply use the section and subsection commands, as in this example document.

### 2.2 How to add Citations and a References List

You can simply upload a `.bib` file containing your BibTeX entries, created with a tool such as JabRef. You can then cite entries from it, like this: [2]. Just remember to specify a bibliography style, as well as the filename of the `.bib`.

How to cite article [2], how are cite book [1] and refer overleaf and other sources for how to cite other documents.

Authors can use any formats of reference in the initial submission, if authors are not familiar with `.bib` file.

### 2.3 How to include Figures

First you have to upload the image file from your computer using the upload link in the file-tree menu. Then use the `includegraphics` command to include it in your document. Use the figure environment and the caption command to add a number and a caption to your figure. See the code for Figure 1 in this section for an example.

Note that your figure will automatically be placed in the most appropriate place for it, given the surrounding text and taking into account other figures or tables that may be close by.

### 2.4 How to add Tables

Use the table and tabular environments for basic tables — see Table 1, for example.

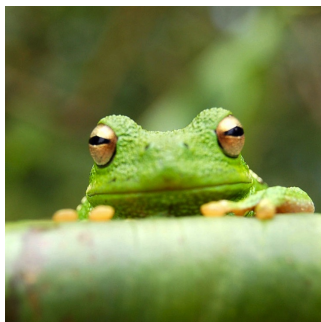


Figure 1: This frog was uploaded via the file-tree menu.

Table 1: Comparison of different methods for system of nonlinear equations.

Methods	TP1			TP2			TP3		
	$M$	$err_{min}$	$p_c$	$M$	$err_{min}$	$p_c$	$M$	$err_{min}$	$p_c$
	1	2	3						

## 2.5 How to write Mathematics

$\text{\LaTeX}$  is great at typesetting mathematics. Let  $X_1, X_2, \dots, X_n$  be a sequence of independent and identically distributed random variables with  $E[X_i] = \mu$  and  $\text{Var}[X_i] = \sigma^2 < \infty$ , and let

$$S_n = \frac{X_1 + X_2 + \dots + X_n}{n} = \frac{1}{n} \sum_i^n X_i$$

denote their mean. Then as  $n$  approaches infinity, the random variables  $\sqrt{n}(S_n - \mu)$  converge in distribution to a normal  $\mathcal{N}(0, \sigma^2)$ .

$$e^{i\pi} = -1 \tag{1}$$

## 3 Conclusions

Conclusion type here

## References

- [1] I K Argyros and F Szidarovszky. *The Theory and Applications of Iteration Methods*. CRC Press, Inc., Florida, 1993.
- [2] I.K. Argyros. Quadratic equations and applications to chandrasekhar's and related equations. *Bull. Austral. Math. Soc.*, 32(2):275–292, 1985.