

FULL TITLE

SHUBH AGARWAL, SAKSHAM CHHIMWAL, ABHIRAM, AND RISHIKESH

1. INTRODUCTION

The front matter has various entries such as

`\title`, `\author`, `\address`, `\e-mail`, `\urladdress` etc.

You should replace their arguments with your own.

This text is the body of your article. You may delete everything between the commands

`\begin{document}` ... `\end{document}`

in this file to start with a blank document.

2. THE MOST IMPORTANT FEATURES

Sectioning commands. The first one is the

`\section{The Most Important Features}`

command. Below you shall find examples for further sectioning commands:

2.1. **Subsection.** Subsection text.

2.1.1. *Subsubsection.* Subsubsection text.

Paragraph. Paragraph text.

Subparagraph. Subparagraph text.

Select a part of the text then click on the button Emphasize (H!), or Bold (Fs), or Italic (Kt), or Slanted (Kt) to typeset *Emphasize*, **Bold**, *Italics*, *Slanted* texts.

You can also typeset Roman, Sans Serif, SMALL CAPS, and Typewriter texts.

You can also apply the special, mathematics only commands BLACKBOARD BOLD, *CALLIGRAPHIC*, and **fraktur**. Note that blackboard bold and calligraphic are correct only when applied to uppercase letters A through Z.

You can apply the size tags – Format menu, Font size submenu – tiny, scriptsize, footnotesize, small, normalsize, large, Large, LARGE, huge and Huge.

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This paper is in final form.

You can use the `\begin{quote}` etc. `\end{quote}` environment for typesetting short quotations. Select the text then click on Insert, Quotations, Short Quotations:

The buck stops here. *Harry Truman*

Ask not what your country can do for you; ask what you can do for your country. *John F Kennedy*

I am not a crook. *Richard Nixon*

I did not have sexual relations with that woman, Miss Lewinsky. *Bill Clinton*

The Quotation environment is used for quotations of more than one paragraph. Following is the beginning of *The Jungle Books* by Rudyard Kipling. (You should select the text first then click on Insert, Quotations, Quotation):

It was seven o'clock of a very warm evening in the Seeonee Hills when Father Wolf woke up from his day's rest, scratched himself, yawned and spread out his paws one after the other to get rid of sleepy feeling in their tips. Mother Wolf lay with her big gray nose dropped across her four tumbling, squealing cubs, and the moon shone into the mouth of the cave where they all lived. "*Augrh*" said Father Wolf, "it is time to hunt again." And he was going to spring down hill when a little shadow with a bushy tail crossed the threshold and whined: "Good luck go with you, O Chief of the Wolves; and good luck and strong white teeth go with the noble children, that they may never forget the hungry in this world."

It was the jackal—Tabaqui the Dish-licker—and the wolves of India despise Tabaqui because he runs about making mischief, and telling tales, and eating rags and pieces of leather from the village rubbish-heaps. But they are afraid of him too, because Tabaqui, more than any one else in the jungle, is apt to go mad, and then he forgets that he was afraid of anyone, and runs through the forest biting everything in his way.

Use the Verbatim environment if you want L^AT_EX to preserve spacing, perhaps when including a fragment from a program such as:

```
#include <iostream>           // < > is used for standard libraries.
void main(void)               // ''main'' method always called first.
{
    cout << ''This is a message.'';
                                // Send to output stream.
}
```

(After selecting the text click on Insert, Code Environments, Code.)

2.2. Mathematics and Text. It holds [?] the following

Theorem 1. (*The Currant minimax principle.*) Let T be completely continuous selfadjoint operator in a Hilbert space H . Let n be an arbitrary integer and let u_1, \dots, u_{n-1} be an arbitrary system of $n-1$ linearly independent elements of H . Denote

$$\max_{\substack{v \in H, v \neq 0 \\ (v, u_1)=0, \dots, (v, u_{n-1})=0}} \frac{(Tv, v)}{(v, v)} = m(u_1, \dots, u_{n-1}) \quad (2.1)$$

Then the n -th eigenvalue of T is equal to the minimum of these maxima, when minimizing over all linearly independent systems u_1, \dots, u_{n-1} in H ,

$$\mu_n = \min_{u_1, \dots, u_{n-1} \in H} m(u_1, \dots, u_{n-1}) \quad (2.2)$$

The above equations are automatically numbered as equation (2.1) and (2.2).

2.3. List Environments. You can create numbered, bulleted, and description lists (Use the Itemization or Enumeration buttons, or click on the Insert menu then chose an item from the Enumeration submenu):

- (1) List item 1
- (2) List item 2
 - (a) A list item under a list item.
However, the typeset style for this level is different.
 - (b) Just another list item under a list item.
 - (i) Third level list item under a list item.
 - (A) Fourth and final level of list items allowed.
- Bullet item 1
- Bullet item 2
 - Second level bullet item.
 - * Third level bullet item.
 - Fourth (and final) level bullet item.

Description List: Each description list item has a term followed by the description of that term. Double click the term box to enter the term, or to change it.

Bunyip: Mythical beast of Australian Aboriginal legends.

2.4. Theorem-like Environments. The following theorem-like environments (in alphabetical order) are available in this style.

Acknowledgement 1. *This is an acknowledgement*

Algorithm 1. *This is an algorithm*

Axiom 1. *This is an axiom*

Case 1. *This is a case*

Claim 1. *This is a claim*

Conclusion 1. *This is a conclusion*

Condition 1. *This is a condition*

Conjecture 1. *This is a conjecture*

Corollary 1. *This is a corollary*

Criterion 1. *This is a criterion*

Definition 1. *This is a definition*

Example 1. *This is an example*

Exercise 1. *This is an exercise*

Lemma 1. *This is a lemma*

Proof. This is the proof of the lemma. □

Notation 1. *This is notation*

Problem 1. *This is a problem*

Proposition 1. *This is a proposition*

Remark 1. *This is a remark*

Solution 1. *This is a solution*

Summary 1. *This is a summary*

Theorem 2. *This is a theorem*

Proof of the Main Theorem. This is the proof. □

Email address, shubh: 210020047@iitdh.ac.in

URL: <https://shubhagarwal-dev.github.io/>

Email address, A. Two: author-two@authortwo-inst.hu

URL: <http://www.authortwo.uni-atwo.hu>

Email address, A. Three: author-three@authorthree-inst.edu

URL: <http://www.authorthree.uni-athree.edu>

Email address, A. Three: author-three@authorthree-inst.edu

URL: <http://www.authorthree.uni-athree.edu>