Conference Paper Title*

**Note: Sub-titles are not captured in Xplore and should not be used

1st Given Name, Surname
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***Abstract*—This document is a model and instructions for LATEX. This and the IEEEtran.cls file define the components of your paper [title, text, heads, etc.]. *CRITICAL: Do Not Use Symbols, Special Characters, Footnotes, or Math in Paper Title or Abstract.**

***Index Terms*—component, formatting, style, styling, insert**

I. Introduction

A. No Line Breaks

Text goes here. Text goes here. Text goes here.

B. Line Breaks

Text goes here.
More Text goes here

C. Special text

1) Referencing: TODO: Add referencing
2) Citing: TODO: Add citations
3) Special Text: You can add comments so you dont forget to ad TODO : Add TODOs ! : Add warnings * : Add information ? : Add highlighted questions

II. Lists and Tables

A. Lists

You can make an itemized list

- Here is an item.
- And another one.
- One more for good luck.

You can make an enumerated list

1) Here is an item.
2) And another one.
3) One more for good luck.

Or a desciption list

Here is an item description item1
Here is an item description 12
Here is an item description item3

Identify applicable funding agency here. If none, omit this.

B. Tables

Tables are very easy to make.

TABLE I
Test Table 1 Caption

Table Header 1	Table Header 2	Table Header 3
75%	56.61	58.94

III. Plotting and Figures

A. Matplotlib.pyplot plots

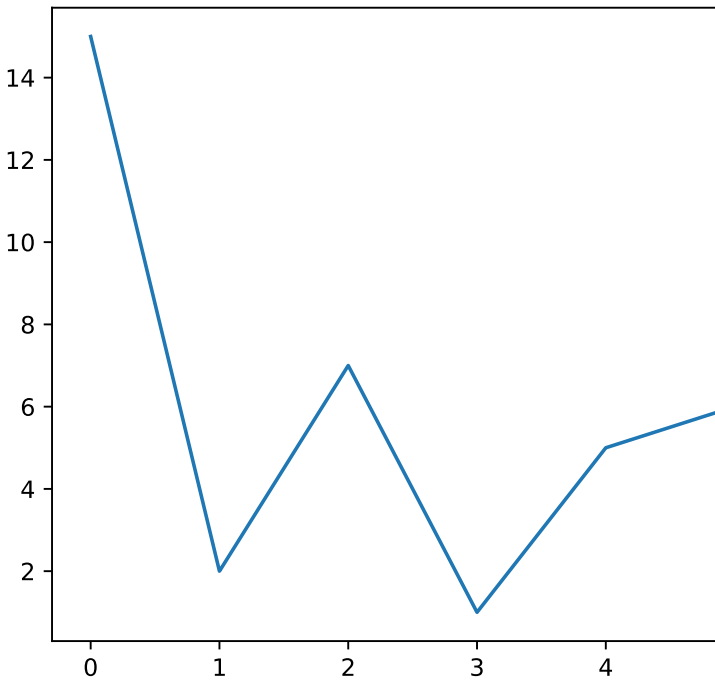

Fig. 1. Test Plot 1

B. Figures

Fig. 2. University Logo

IV. Math

A. Inputting (and automatically generating) functions

Here are some generated functions

$$\text{solve}(a,b,c) = \frac{-b+\sqrt{b^2-4ac}}{2a} \tag{1}$$

Equation 1: Generated Function

$$\text{solve}(x) = \begin{cases} 0, & \text{if } x = 0 \\ 1, & \text{if } x = 1 \\ \text{fib}\,(x-1) + \text{fib}\,(x-2)\,, & \text{otherwise} \end{cases} \tag{2}$$

Equation 2: Generated Function (if and or)

Here is a handmade function

$$\oint \sqrt{x^2+1} \tag{3}$$

Equation 3: Handmade Function

V. Math and matrixes

A. Standard Matrix

$$M = \begin{bmatrix} 2 & 3 & 4 \\ 0 & 0 & 1 \\ 0 & 0 & 2 \end{bmatrix}$$

B. Formatting to look like a vector

$$\boldsymbol{\alpha} = \begin{pmatrix} 100 \\ 10 \\ 20 \end{pmatrix}$$

C. Showing how easy it is to combine two

$$M\boldsymbol{\alpha} = \begin{bmatrix} 310 \\ 20 \\ 40 \end{bmatrix}$$