

My First Document

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1 Introduction

This is the introduction. The contents of the pdf do not make any sense. This is just a trial for different typesets, images, tables, equations, etc.

2 Methods

The method is described as follows:

2.1 Stage1

The first part of the methods. Some parts of this section are written in *italics* and some parts are in **bold**. Sentence on the same line.

Sentence on a new line. Trial sentence with special characters: Item #1A\642 costs \$8 at a ~10% profit. Citation trial [1].

2.2 Stage 2

The second part of methods. The package `color` is used to write things in `color`. Here is a numbered list:

1. Item 1
2. Item2 This item consists of a bulleted list.
 - Sub-item 1
 - Sub-item 2
3. Item 3

This section also contains a figure, that may be automatically placed somewhere else. See figure 1.

2.3 Equations

This is an equation within the line: $1 + 2 = 3$ and this is an equation that is displayed on its own line:

$$1 + 2 = 3$$

A numbered equation can be written as:

$$1 + 2 = 3 \tag{1}$$

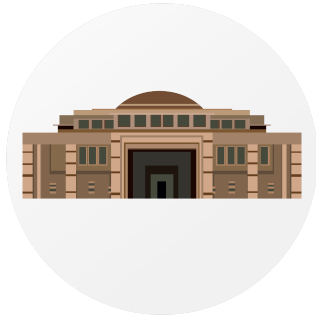


Figure 1: Image of the B-dome

Derivation:

$$\begin{aligned}
 something &= a + a + a + x + x + y + y \\
 &= 3a + x + x + y + y \\
 &= 3a + 2x + y + y \\
 &= 3a + 2x + 2y
 \end{aligned}$$

Using mathematical symbols:

$$x_1 = \frac{-b + \sqrt[2]{b^2 - 4ac}}{2a}$$

$$\sum_{i=1}^n (y_i - y_{i-1})^2$$

$$\Delta = \alpha \int_a^b f(x) dx$$

2.4 Tables

Without lines

Column1	Column2	Column3
Apple	Red	Fruit
Banana	Yellow	Fruit
Whale	Blue	Fish

With lines

Column1	Column2	Column3
Apple	Red	Fruit
Banana	Yellow	Fruit
Whale	Blue	Fish
Last row	last row	last row

3 Results

Here are the results! Refer section 2.1 on page 1.

References

- [1] R. B. Bird, E. A. Smith, and D. W. Bird. The hunting handicap: costly signaling in human foraging strategies. *Behavioral Ecology and Sociobiology*, 50:9–19, 2001.