LaTeX CSS

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Abstract

Nunc sed pede. Praesent vitae lectus. Praesent neque justo, vehicula eget, interdum id, facilisis et, nibh. Phasellus at purus et libero lacinia dictum. Fusce aliquet. Nulla eu ante placerat leo semper dictum. Mauris metus. Curabitur lobortis. Curabitur sollicitudin hendrerit nunc. Donec ultrices lacus id ipsum.

Contents

1 First Section

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$$(x+y)^n = \sum_{k=0}^{n} \left(\begin{array}{c} n \\ k \end{array} \right) x^{n-k} y^k = \sum_{k=0}^{n} \left(\begin{array}{c} n \\ k \end{array} \right) x^k y^{n-k}$$

Pellentesque interdum sapien sed nulla. Proin tincidunt. Aliquam volutpat est vel massa. Sed dolor lacus, imperdiet non, ornare non, commodo eu, neque. Integer pretium semper justo. Proin risus. Nullam id quam. Nam neque. Duis vitae wisi ullamcorper diam congue ultricies. Quisque ligula. Mauris vehicula.

2 Environments

Pellentesque interdum sapien sed nulla. Proin tincidunt. Aliquam volutpat est vel massa. Sed dolor lacus, imperdiet non, ornare non, commodo eu, neque. Integer pretium semper justo. Proin risus. Nullam id quam. Nam neque. Duis vitae wisi ullamcorper diam congue ultricies. Quisque ligula. Mauris vehicula.

2.1 Theorem and Proofs

Theorem 1. *The real numbers* $\mathbb{R}$ *are uncountable.*

Proof. If $\mathbb{R}$ is countable, then [0, 1] is countable as well. Hence there exists a map C from $\mathbb{N}$ onto [0, 1] with

$$C(n) = \sum_{i=1}^{\infty} c_i(n) 10^{-i}$$

where $c_i(n) \in \{0, 1, \ldots, 9\}$, are the digits in decimal expansion. Now consider a real number

$$x = \sum_{i=1}^{\infty} \bar{c}_i 10^{-i} \in [0, 1]$$

with $\bar{c}_i \neq c_i(i)$. Obviously $C(n) \neq x$ for all $n \in \mathbb{N}$. Hence C is not onto. A contradiction. □

2.2 Definitions, lemmas...

Definition 1. A definition is a a statement of the meaning of a word or word group or a sign or symbol.

3 Formatting Texts

Some text can be **bold** and some can be *emphasized.*

> Give me six hours to chop down a tree and I will spend the first four sharpening the axe. – *Abraham Lincoln*

4 Tables and Images

Etiam euismod. Fusce facilisis lacinia dui. Suspendisse potenti. In mi erat, cursus id, nonummy sed, ullamcorper eget, sapien. Praesent pretium, magna in eleifend egestas, pede pede pretium lorem, quis consectetuer tortor sapien facilisis magna. Mauris quis magna varius nulla scelerisque imperdiet. Aliquam non quam. Aliquam porttitor quam a lacus. Praesent vel arcu ut tortor cursus

Table 1: Caption of the table

Header 1	Header 2	Header 3
Text 1	Text 2	Text 3
Text 1	Text 2	Text 3
Text 1	Text 2	Text 3

volutpat. In vitae pede quis diam bibendum placerat. Fusce elementum convallis neque. Sed dolor orci, scelerisque ac, dapibus nec, ultricies ut, mi. Duis nec dui quis leo sagittis commodo.

Pellentesque interdum sapien sed nulla. Proin tincidunt. Aliquam volutpat est vel massa. Sed dolor lacus, imperdiet non, ornare non, commodo eu, neque. Integer pretium semper justo. Proin risus. Nullam id quam. Nam neque. Duis vitae wisi ullamcorper diam congue ultricies. Quisque ligula. Mauris vehicula.

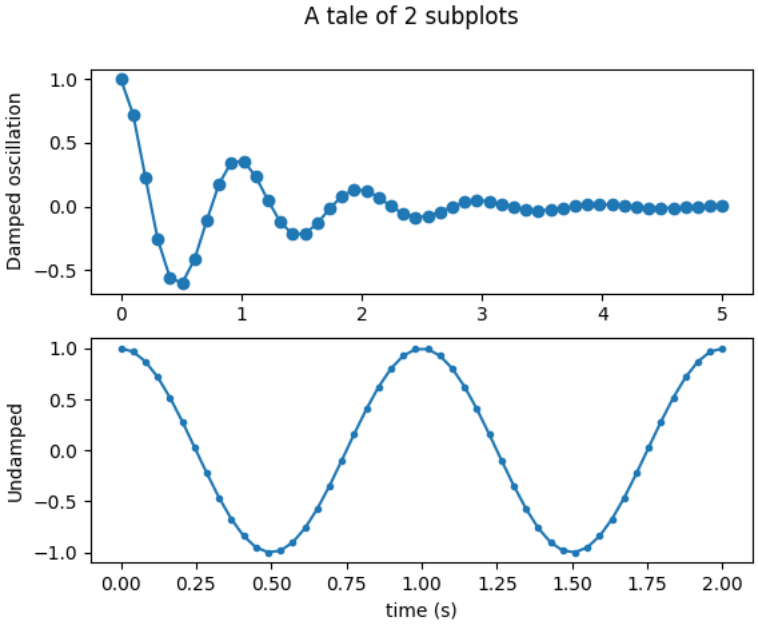

Figure 1: Figure caption

5 Syntax Highlighting

```
\section{Some section...}
\begin{enumerate}
\item first element
```

```
\item second element
\item third element
\end{enumerate}
```