Universidade Federal de Pernambuco

Centro de Informática - CIn

Disciplina de Métodos Numéricos

Relatório do Projeto de Métodos Numéricos

Autor:
Ermano A. Arruda

Professor:
Dr. Ricardo Martins

19 de novembro de 2014

Sumário

Relatório do Projeto de Métodos Numéricos

Ermano A. Arruda

19 de novembro de 2014

Resumo

Your abstract.

1 Introdução

Your introduction goes here! Some examples of commonly used commands and features are listed below, to help you get started. If you have a question, please use the help menu ("?") on the top bar to search for help or ask us a question.

2 Métodos de Passo Único

2.1 Euler

Metodo bla bla bla

Figura 1: This frog was uploaded to writeLaTeX via the project menu.

Item	Quantity
Widgets	42
Gadgets	13

Tabela 1: An example table.

2.2 Euler Inverso

Metodo euler inverso bla bla bal

2.3 Euler Aprimorado

Metodo Euler aprimorado bla balb alba

Figura 2: This frog was uploaded to writeLaTeX via the project menu.

2.4 Runge-Kutta

Metodo runge kutta bla blab alba

2.5 Série de Taylor de Três Termos

bla bla bla serie de taylor de tres termos blab albalbla

3 Métodos de Passo Múltiplo

Aqui fica uma explicacao sobre metodos de passo multiplo blab albalba

3.1 Adams-Bashforth

Familia Adams albalbalblalba

3.2 Adams-Multon

Adams multon ohohohohhooh!

3.3 Predição e Correção

Previsao e correcao lol

3.4 Diferenciação Inversa

Derivando o DI lol hohohoo Metodos de diferenciacao inversa

Comments can be added to the margins of the document using the todo command, as shown in the example on the right. You can also add inline comments:

This is an inline comment.

Here's a comment in the margin!

3.5 How to Include Figures

First you have to upload the image file (JPEG, PNG or PDF) from your computer to writeLaTeX using the upload link the project 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 2 in this section for an example.

Item	Quantity
Widgets	42
Gadgets	13

Tabela 2: An example table.

3.6 How to Make Tables

Use the table and tabular commands for basic tables — see Table 2, for example.

3.7 How to Write Mathematics

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

$$S_n = \frac{X_1 + X_2 + \cdots + X_n}{n} = \frac{1}{n}\sum_{i}^{n} X_i \tag{1}$$

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

3.8 How to Make Sections and Subsections

Use section and subsection commands to organize your document. LaTeX handles all the formatting and numbering automatically. Use ref and label commands for cross-references.

3.9 How to Make Lists

You can make lists with automatic numbering ...

1. Like this,
2. and like this.

... or bullet points ...

- Like this,
- and like this.

... or with words and descriptions ...

Word Definition

Concept Explanation

Idea Text

We hope you find writeLaTeX useful, and please let us know if you have any feedback using the help menu above.