Numeric Analysis Web Page

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Systems Engineering
Medellin
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Numeric Analysis Report

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0.1   Introduction

The following report will explain the project that has been carried out by the team, for the Numerical Analysis class at EAFIT University. This project is about making a web page, application or executable, in which you will have the possibility to select a numerical method that you need to solve a problem you have. These options are tools that aim to make numerical methods with arithmetic operations efficient for the user.

0.2   Characteristics of the Web Page

Our project consists of a web page, which has different sections where we can view three options, which contain the numerical methods. By choosing one of the three options, each one has its own display where you can see the numerical methods belonging to this section that you have selected, then you can choose the numerical method you need, when you choose it, it loads a new page where it will show you what is necessary to work with the method you have chosen.

0.3   The tools used to develop this project

In order to make the web page, we used Django, a web framework, to work around with HTML and CSS. Additionally, all the Numerical Analysis methods that have been required for the page to work on, have been developed using python as the programming language, mainly due to the fact we want to work directly with Django.

0.4   Conclusions

The most difficult task of this project was figuring out how to make the web page. Giving up on it would not only mean starting over with another method for making it, but also having to change the code to suit the needs, which in this case was the language. Always advised to figure that out first, while keeping the pseudo-codes in mind, so that it's easier to figure out which programming language to use when its necessary

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Director de Trabajo de Grado

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Jurado

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