FYS3150/FYS4150 - Project 1

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Abstract

1   Introduction

2   Method

2.1   Bla

To begin with we want to solve the equation

$$- u''(x) = f(x), x \in (0,1), u(0) = u(1) = 0 \tag{1}$$

The second derivate of u can be approximated with

$$- \frac{v_{n+1} + v_{i-1} - 2v_i}{h^2} = f_i \tag{2}$$

where $i = 1, ..., n$.

3   Implementation

4   Results

4.1   Bla

5   Concluding remarks

6   References