Project 2 in FYS3150

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October 3, 2018

1 ABSTRACT

In this project we have coded a implementation of Jacobi's rotation algorithm, that finds an approximation to differential equations. We then then used this to model a harmonic oscillator problem in three dimensions, with one and two electrons.

2 INTRODUCTION

3 METHOD

3.a Mathematical basis

3.b Basic code, eller noe

3.c Testing the code

3.d Quantum dots in three dimensions, one electron

3.e Quantum dots in three dimensions, two electrons

4 RESULTS

5 CONCLUSIONS

6 APENDICES

7 REFERENCES