

# Project 2

Nat Hawkins, Victor Ramirez, Mike Roosa, Pranjali Tiwari

9 February, 2017

## **Abstract**

The goal of this project is to explore a model of quantum dots. We will be investigating the behavior of two electron in a 3-D simple harmonic potential while comparing the models with and without the particles interacting. To do this we will be solving the Schrödinger equation using the Jacobi method.

## **1 Introduction**

## **2 References**