

Journal of Krishna Chaithanya p for Spring 2007

1 Week 1 april 4, 2007

I went through the online \LaTeX Tutorial and learnt \LaTeX basics. I learnt about creating small articles and then I created my Mathematical Autobiography. I tried to implement some Mathematical Equations for documentation and learnt some \LaTeX commands.

2 Week 2 april 11, 2007

This week I went through the tutorial I downloaded from the internet and learnt how to write mathematical equations in \LaTeX . I learnt some commands that are available in math mode. I Started creating some articles with mathematical fractions and equations in it. I learnt how to represent Matrices in \LaTeX . I tried and succeeded in creating an article with matrices in it. I also went through how to represent mathematical symbols like greek letters, Binary operation symbols and Relation symbols.

3 Week 3 april 18, 2007

I went through the handout given about the approximation of multiparticle schrodinger wave equation. I understood what actually the problem is. I got to know that some methods have solved it, but with some constraints and low accuracy. Then I went through how Dr.Martin is going to solve it. Then I went through the algorithm which Dr.Martin is using to approximate the multiparticle schrodinger wave equation into a sum of Slater determinants without any constraints.

4 Week 4 april 25, 2007

I went through the online tutorials like DIVE INTO PYTHON and PYTHON TUTORIALS to learn how to use the Python software. Then I practiced writing small scripts in python and ran them successfully. Finally I have written a script to find out the sum of first n numbers.

5 Week 5 May 2nd, 2007

This week I went through the online tutorial Dive into Python. I learnt many basics in PYTHON like Lists, Dictionaries, Tuples, Datatypes compared to other programming languages. I learnt some operations that can be performed on lists and strings. I also went through the Built-In Functions and practiced writing some simple programs.

6 Week 6 May 9, 2007

This week I tried to write a script in Python for finding the determinant of a Matrix. I have learned more operations on lists. I wrote some scripts using lists. Then I tried to write a script to find the determinant of a Matrix. But I finished just some part in it and I keep this as goal for the coming week to write the whole code.

7 Week 7 May 16, 2007

This week I have written some python code for calculating the determinant of a matrix, but got some errors. I have searched for the articles given to me. I found one of it but I need to pay 25\$ for it to download the document. I am unable to find the other one. So I have searched for a related article for the first one.

8 Week 8 May 23, 2007

This week I have prepared for the presentation on Multiresolution Quantum Chemistry. I tried my best to understand the article. I prepared the powerpoint presentation and made myself ready to give the presentation.

9 Week 9 May 30, 2007

I think I have done a good job in giving presentation last week. I had a little bit of fear when I was presenting. I think I have started well but I ended without a conclusion. I will rectify my mistakes and will do my best in giving next presentation.

10 Week 10 June 6, 2007

This week i have watched the presentations of the other people. They have done great job. The power point presentations were really good.