

Journal for Fall 2007

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Week 1, 9/10

After a long summer break we resumed our research project. I met the other team members. This time Jyosthna, Prashanth, Chelsie and I will be working together.

Week 2, 9/17

My first task is to go through the paper 'A Fast Algorithm for Particle Simulations'. This paper is very much related to the work we have done in the spring quarter. I understood the paper and I am ready for a presentation.

Week 3, 9/24

During the presentation I was confused and could not proceed. I prepared well for the presentation but maybe that preparation was not sufficient. I need to prepare once again.

Dr. Martin also gave me the next paper 'Many-Body Perturbation Theory and Coupled Cluster Theory for Electron Correlation in Molecules'. This paper contains a lot of chemistry. I am still working on it.

Week 4, 10/1

I presented the paper and this time I was well prepared and made no mistakes. So the task for next week is to present the next paper.

Week 5, 10/8

I searched on the internet for the definitions of 'size extensivity' and 'size consistency'. But these two terms were really hard to understand and to relate to our project. After a lot of hard work I presented the details of this paper well.

Presently I am writing a report on the stuff I learned from these two papers and I am almost done with it.

Week 6, 10/15

On Tuesday we had a meeting with Dr. Martin and We tried to understand the new approach he used for particles in Y-group. Then I tried to reproduce what Dr. Martin has done but was in vain. Then on Friday we again had a meeting and Dr.Martin explained it again. But still I don't think I understood it fully. I am still working on it.

Week 7, 10/22

I this week we tried to derive a general formula for the summaries by observing the summaries we got for group3-rank1. We got an incomplete formula, which hopefully is correct.

Week 8, 10/29

This week we decided to stop for this quarter, and resume it in next quarter. Then Dr.Martin asked us to prepare a report on the work done this quarter. I started it and I am working on it. Apart from this we should also present it to other group members.

Week 9, 11/05

Our presentation is supposed to be on Friday, 11/9. Each of us are assigned a part of presentation. I will be giving the introduction and the conclusion part. I prepared the final presentation slides.

The presentation went very well. I began well with, the introduction and other people too did well for their part of presenattion.