Final Project

Instructor: Dr. Ming Ye

Timetable

- 11/10 (Tuesday): White paper due
- 11/12 (Thursday): Project presentation to determine project scope and objectives. Individual meetings with the instructor
- 12/1 (Tuesday): Preliminary project due
- 12/3 (Thursday): Project presentation

Project Topics, Software, and Objectives

- You can choose any topics of your interest.
- I may help you find a topic of interest to you.
- You can choose either MATLAB or Mathematica. Make sure that the job can be done using MATLAB (command ver for installed toolboxs) or Mathematica.
- You can have one or multiple objectives
- Your objectives should be
  - Realistic that can be done by 12/10. Do not be too aggressive.
  - Interesting enough to me and your colleagues.

Guidelines of Writing White Paper

- A cover page with
  - Project title
- Two-page long of narrative with regular font (not smaller than 11 points), line space (single), and margin (1 inch), including references
- Content should include:
  - Problem statement
  - Goal and objectives
  - Research methods/tasks
  - Expected results
  - References

Project Team

- You may work independently and submit your own project report.

- Forming a team with two people is allowed. But the amount of work should be roughly doubled.

- Only one report is needed for one team.

Format of Project Reports

- Single-spaced, typed report. A report generated using the publishing is not enough.

- Problem Statement (20 points)
  - Significance of the study
  - Previous works by others

- Goal and objectives (10 points)
  - Clearly define your goal and objectives

- Implementation (20 points)
  - How do you get the job done?

- Results and analysis (40 points)
  - The most important part for application type of study.

- Conclusions (10 points)
  - What have you learned or concluded from this study?

Useful Information

- MATLAB webinars with recorded seminars on introductory and advanced topics

  http://www.mathworks.com/company/events/webinars/index.html?id=&language=en

- Mathematica broadcast

  http://www.wolfram.com/broadcast/

  Mathematica tutorials

  http://www.wolfram.com/broadcast/#Tutorials-GS