

MAE 298, Network Theory and Applications

Winter 2008

Problem Set # 3, Due Feb 27th

Response Paper

The idea of response paper is to go into more in depth in one topic and review several current research papers in this area. You should be understanding the strengths of each, and likewise where there is room for improvement and perhaps also contrast different approaches used in the different studies. You should be thinking beyond what you just read, and not just take other people's work for granted or assume that, just because the work is published, that it is completely correct.

Consequently, your reaction paper should cover a few (two or preferable three) research papers. Your writeup should be about 2-3 pages. The organization should be roughly as follows. About one page should be used to summarize the main content and results of the papers you are discussing. How do they fit in the field, and what you have learned in class so far? What is the connection between the papers you are discussing? About one page should be a judgment of what is in the papers. What struck you as particularly interesting? What were the authors missing? Was anything particularly unrealistic? This section should go into a bit of depth. A statement like "This was a nice paper", or "I didnt like this paper" by itself is not enough. About one page should be a discussion of what you feel may be an interesting step to take beyond what the papers are doing. Perhaps you have an idea of a better model for something? A better algorithm? Or their papers suggest techniques that you would like to apply elsewhere? Obviously, your ideas here may not be completely worked out.

You have your choice of topic and papers. For suggestions, please refer to the **bibliography** distributed a few weeks ago. You should choose papers that tie in with your class project. The writeup you create for this homework assignment might serve as as the literature review for your final class project.

And, don't forget to use a resource like <http://scholar.google.com> to uncover newer papers, especially follow-up work to those papers in the Bibliography.