Theory Problem Session

During the summer and the upcoming semester, we are focusing on auctions and approximating revenue. We plan to discuss one or two papers each week. We hope that we will eventually settle on some problems in this area to work on together.

If you are interested in the topic but for some reason you are not on the problem session email list, email Dan.

If you'd like to suggest some papers in this area, please add them in the Suggested Papers section below (or email Alina). Also, please volunteer to present a paper that you like 😊.

Tuesday, May 12, 2009

Papers for next week:


J. D. Hartline and T. Roughgarden. Simple versus optimal mechanisms. 2009. (email Dan or Alina if you'd like a copy)

Tuesday, May 19, 2009

Dan presented the Algorithmic pricing via virtual valuations paper.

We will resume the problem session on (or after) June 9.

Papers for next week:


The exposition of Myerson's mechanism in the AGT book, chap 13 section 2, p.335.

Tuesday, May 26, 2009

No problem session this week.

Tuesday, June 2, 2009

No problem session this week.

Wednesday, June 10, 2009

We discussed Briest, et. al. ‘Pricing randomized allocations.’ And we wondered what the complexity of finding optimal single-item pricing schemes is.

Tuesday, June 16, 2009

We again discussed the Chawla, et. al. paper, this time with some visitors

Tuesday, June 23, 2009

We discussed Goel and Munagala, *Hybrid keyword search auctions*. We mainly wondered if the introduction of budgeted participants of a series of auctions differs from unbudgeted bidders in a single auction. We therefore resolved to read the paper Vazirani mentioned in May, related to matching.

Tuesday, June 30, 2009

We will discuss Mehta, et. al. *Adwords and Generalized Online Matching.*

Suggested papers:


Googlenomics:
