

Final Project in Algorithmic Game Theory – Fall 2018: Revisiting “Paper Title”

Name*

Name†

Date

This template is based on Keren Censor-Hillel’s template for her Spring 2018 course “Distributed Graph Algorithms”, and Michal Feldman’s template for her Spring 2018 course “Algorithmic Game Theory”.

1 Summary

This section should contain a 2–4 page summary of the paper that was assigned to you. The length of this section is not an evaluation criteria and so maximizing it should not be your aim. The summary should be understandable to a reader that is familiar with what we study in the course *without the need to read the paper*. The summary should focus on the ideas that are given in the paper, rather than explicit notations and proofs. It must be written in your own words. Please keep in mind that copying parts of the assigned paper is strictly forbidden.

2 Related Work

This section should cover work that is related to the assigned paper. It should cover work that was chronologically done before this paper, and also work that was done after it (use online sources, such as Google Scholar).

3 New Results

This section should contain a description of a new result. Think about the task of the assigned paper in *other models* of auctions/markets/games. Think about *other tasks* in the model of the assigned paper. Think about removing or adding *assumptions* to the task or the model. Think about sub-cases (a family of valuations rather than general valuations, etc.). Think about simplifying (by allowing approximation, etc.). Your project certainly does not have to be a publishable result, but it should show your understanding of the different aspects of algorithmic game theory.

*Email, Student Number.

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4 More Comments

There are special “macros” for theorems, lemmas, claims, proofs, remarks, examples, etc. For example,

Theorem 1. *If E is energy, m is mass, and c is the speed of light, then $E = mc^2$.*

Proof. This is trivial. □

Usually you will need to add bibliography to your notes. To do this, you can create a separate “.bib” file that includes bibTeX entries and use the command `\cite` to cite it.