

Randomized Algorithms (DM839) — Ugeseddel 11

Plan for the rest of the course We will have the following classes:

- Wednesday May 14 10-12: MU chapter 10
- Thursday May 15 16-18 in U49C MU Chapter 11
- Monday May 19 8-10: discussion class based on papers on random matchings in bipartite graphs as well as how to generate random spanning trees. You should read both papers so that you understand how the algorithms work. We will not cover all proofs but discuss the ideas and relate them to things we have seen in the course.
- Wednesday May 21 10-12 Topic to be decided, most likely MU Chapter 12
- Thursday May 22 16-18 in U49C Topic to be decided
- Monday May 26, cancelled
- Wednesday May 28: we will talk about the project (which I may not have had time to correct yet, but I will try), the oral exam and possibly some exercises.

There will be a new weekly note Monday May 19.

The papers for next monday (which you should download yourselves) are:

- <ftp://gatekeeper.dec.com/pub/dec/SRC/publications/broder/spt.pdf>
- <http://epubs.siam.org/doi/abs/10.1137/100812513>
If you cannot access the last paper: find “perfect matchings in $O(n \log n)$ time in regular bipartite graphs”, authors Goel, Karpalov and Khanna
- You may find it useful to read the following course notes by Spielmann:
<http://www.cs.cmu.edu/~15859n/RelatedWork/Spielman/Spielman-Matching.pdf>