

Randomized Algorithms (DM839) — Ugeseddel 12

Stuff covered in Week 20: MU Chapter 10 and MU 11.1-11.2. Sections 11.3 and 11.4 is not pensum but you should read Section 11.5. Perhaps we will discuss the first part of this on May 22.

Class Monday May 19: We will discuss the following papers(which you should download yourselves):

- <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>

It will be a discussion, not a lecture, so prepare to present some of the ideas.

Class Wednesday May 21: MU Chapter 12

Class Thursday May 22: We will discuss the following exercises:

- MU 10.6 (a)+(b), 10.7 and 10.12
- MU 11.2 and 11.14.