

Online Algorithms – E17 – Reading List

- Problems from the lecture notes.
- Allan Borodin and Ran El-Yaniv: Online Computation and Competitive Analysis, as corrected in the errata (also on the course homepage).
Chapters 1, 2, 3, 4.
Chapters 6, 7, 8.
Sections 10.1–10.4.
Sections 12.1–12.2.
- “The relative worst order ratio applied to paging”, by Joan Boyar, Lene Monrad Favrholt, and Kim Skak Larsen, in *Journal of Computer and System Sciences*, volume 73, pages 817–843, 2007. You get this through the electronic journals SDU’s library has (using the link on the course’s homepage).
- “Online bin packing with advice”, Joan Boyar, Shahin Kamali, Kim S. Larsen, Alejandro López-Ortiz, in *Algorithmica*, 74(1): 507–527, 2016. You get this through the electronic journals SDU’s library has (using the link on the course’s homepage).
- The advice complexity of a class of hard online problems, by Joan Boyar, Lene Monrad Favrholt, Christian Kudahl, Jesper With Mikkelsen, in *Theory of Computing Systems*, First Online 2016. You get this through the electronic journals SDU’s library has (using the link on the course’s homepage).