

Course

- CS-E3190

Course materials

Your points



This course has already ended.

The latest instance of the course can be found at: [Principles of Algorithmic Techniques: 2023 Autumn](#)

« Lecture and Exercise Set 6 - Randomized Algorithms 1

Course materials

10.2 Graded exercise »

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/

Lecture and Exercise Set 6 - Randomized Algorithms 1

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10.1 Materials

Materials

- Lecture slides:

Coin.pdf

Quicksort.pdf

BallsBins.pdf
- Lecture videos:

Algorithms with coins

Paranoid Quicksort

Balls into Bins
- Lecture script:

Chapter 6 - script 1-6.pdf
- Tutorial exercises:

Tutorial06.pdf
- Graded exercise:

Graded06.pdf

LaTeX template: 06-tex-template.zip
- Jeff Erickson book:

Sections 1.5, 1.6, 1.7
- Wikipedia:

Probability Space

Markov inequality

Chebyshev inequality

Chernoff bound

Balls into bins problem
- Textbooks on Randomized algorithms:

Motwani, Raghavan: Randomized Algorithms

Mitzenmacher, Upfal: Probability and Computing

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