



UiO : **Department of Mathematics**
University of Oslo

Discrete Math during covid

MAT2500

Kris Shaw

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MAT2500 Online Spring 2020 and 2021

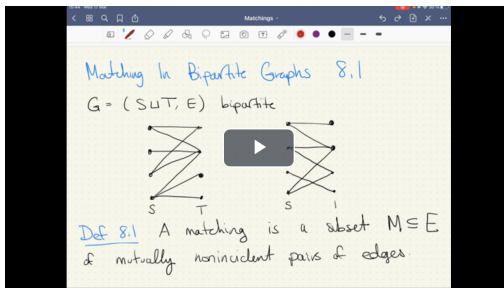
- "Lecture" format:
 - 1 Screencast videos (45 mins)
 - 2 Community discussion on zoom (45 mins)

- Exercise sessions with Juvenal Murwanashyaka
 - 1 Solutions to exercises
 - 2 Student centered break out rooms

- Community learning:
 - 1 Mattermost
 - 2 Canvas
 - 3 Digital and in-person student meetups



Screencast videos

- 1 Videos posted $>$ 24 hours before lecture time
- 2 Shorter clips totalling 45 mins
- 3 Subtitled in fall 2021 (Cédric Le Texier)



Matching in Bipartite Graphs 8.1

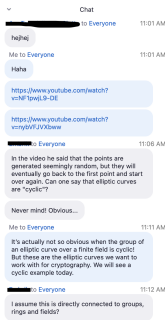
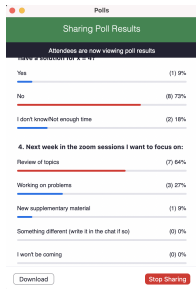
$G = (S \cup T, E)$ bipartite

Def 8.1 A matching is a subset $M \subseteq E$
of mutually nonincident pairs of edges.

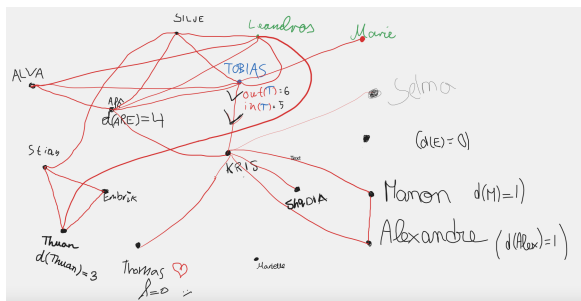
Community discussion

- 1 Quiz (zoom poll) (5 mins)
- 2 Questions sent via chat DM or public (parallel to quiz)
- 3 Take up quiz and questions (10 mins)
- 4 Breakout rooms (15 mins)
- 5 Wrap up (15 mins)



Mattermost, canvas, and meetups

- Mattermost channels included: Videos, Exercises, Discussion sessions, Oblig, Off topic
- Student organized on and off campus meetups



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