How much do you like attending this course?



In comparison to the number of participants, the size of the room is



Please rate the contents.



Acoustic conditions are



Please rate the clarity (using helpful examples).



Visibility conditions are



Does the lecturer refer to latest research activities?



How large is the amount of work for this course?



Does the lecturer refer to correlations between theory and practice?



The amount of work required for this course is...



Please rate the course as a whole.



Very large

Inadequate

Does the lecturer refer to latest research activities?



Does the lecturer refer to correlations between theory and practice?



How large is the amount of work for this course?



The amount of work required for this course is...



Please rate the course as a whole.



Very large

Inadequate

What I liked most:

examples (3x) style of lecture (7x)motivated lecturer (3x) interesting topic (3x)



room (5x) no slides (10x) too fast (2x)



What I did not like at all:

What I liked most:

examples (3x) style of lecture (7x)motivated lecturer (3x)interesting topic (3x)







property P :	G is a comparability graph.
property \overline{P} :	\overline{G} is a comparability graph.
property C:	G is a chordal graph.
property \overline{C} :	\overline{G} is a chordal graph.

P	\overline{P}	C	\overline{C}	graph class
\checkmark				comparability graphs
		\checkmark		chordal graphs



property P :	G is a comparability graph.
property \overline{P} :	\overline{G} is a comparability graph.
property C:	G is a chordal graph.
property \overline{C} :	\overline{G} is a chordal graph.

P	\overline{P}	C	\overline{C}	graph class
\checkmark				comparability graphs
		\checkmark		chordal graphs
	\checkmark	\checkmark		interval graphs

Chap.4 Chap.3 Chap.7

property P :	G is a comparability graph.
property \overline{P} :	\overline{G} is a comparability graph.
property C:	G is a chordal graph.
property \overline{C} :	\overline{G} is a chordal graph.

P	\overline{P}	C	\overline{C}	graph class
\checkmark				comparability graphs
		\checkmark		chordal graphs
	\checkmark	\checkmark		interval graphs
		\checkmark	\checkmark	split graphs

Chap.4 Chap.3 Chap.7 Chap.5

property P :	G is a comparability graph.
property \overline{P} :	\overline{G} is a comparability graph.
property C:	G is a chordal graph.
property \overline{C} :	\overline{G} is a chordal graph.

P	\overline{P}	C	\overline{C}	graph class
\checkmark				comparability graphs
		\checkmark		chordal graphs
	\checkmark	\checkmark		interval graphs
		\checkmark	\checkmark	split graphs
\checkmark	\checkmark			permutation graphs

- Chap.4 Chap.3
- Chap.7
- Chap.5
- Chap.6

property P :	G is a comparability graph.
property \overline{P} :	\overline{G} is a comparability graph.
property C:	G is a chordal graph.
property \overline{C} :	\overline{G} is a chordal graph.

P	\overline{P}	C	\overline{C}	graph class
\checkmark				comparability graphs
		\checkmark		chordal graphs
	\checkmark	\checkmark		interval graphs
		\checkmark	\checkmark	split graphs
\checkmark	\checkmark			permutation graphs
\checkmark		\checkmark		cycle-free partial orders

Chap.4 Chap.3 Chap.7 Chap.5 Chap.6



































Thm 5.3. For every graph G = (V, E) the following are equivalent: (i) G is chordal and \overline{G} is chordal (G split graph) (ii) V = K + S with K clique and S independent set (iii) $C_4, C_5 \not\subseteq_{\text{ind}} G$ and $C_4 \not\subseteq_{\text{ind}} \overline{G}$



property P :	G is a comparability graph.
property \overline{P} :	\overline{G} is a comparability graph.
property C:	G is a chordal graph.
property \overline{C} :	\overline{G} is a chordal graph.

P	\overline{P}	C	\overline{C}	graph class
\checkmark				comparability graphs
		\checkmark		chordal graphs
	\checkmark	\checkmark		interval graphs
		\checkmark	\checkmark	split graphs
\checkmark	\checkmark			permutation graphs
\checkmark		\checkmark		cycle-free partial orders

Chap.4 Chap.3 Chap.7 Chap.5 Chap.6

Thm.

For every (undirected) graph G = (V, E) the following are equivalent: (i) G and \overline{G} are comparability graphs. (ii) There exists a vertex ordering σ of G and without without



Thm.

For every (undirected) graph G = (V, E) the following are equivalent: (i) G and \overline{G} are comparability graphs. (ii) There exists a vertex ordering σ of G and without without (iii) There exists an embedding $V \to \mathbb{R}^2$ such that $uv \in E$ if and only if $u_x < v_x \Leftrightarrow u_y < v_y$





