POVZETEK

Diplomsko delo je posvečeno študiju delnih urejenosti in nekaterih grafov. S področja teorije delnih urejenosti je predstavljen Dilworthov izrek in nekaj njegovih posledic. Sledi poglavje s področja teorije grafov, kjer so definirani posebni grafi, t.im. primerjalni grafi in njihova karakterizacija. Predstavljeni so tudi popolni grafi, intervalni grafi, osnovni grafi in diagrami. Zanimivo je poglavje o Schnyderjevem izreku, ki povezuje ravninskost grafa in dimenzijo grafu prirejene delne urejenosti. Opisana je incidenčna urejenost grafa in poseben način označevanja točk ravninskega grafa oziroma Schnyderjeva shema za triangulacije.

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