



DiMaS

Seminář diskrétní matematiky

Katedra aplikované matematiky & JČMF

VŠB – Technická Univerzita Ostrava, 17. listopadu 15, Ostrava–Poruba

e-mail: graphs@vsb.cz web: <http://graphs.vsb.cz>

Covering of complete graphs by quadruples

Yifan Zhang

čtvrtek 13. července 2023, od 14:40, EA553

Covering a complete graph by quadruples leaves various types of excess depending on the order of the original graph. In this talk we discuss by case how to form the minimum covering out of classical combinatoric designs such as BIBD, GDD and PBDs. Certain exceptional cases, not present when covering by triangles, are also investigated, only to notice how insufficient the obviously necessary conditions are for a covering to exist.