Comenius University in Bratislava
Faculty of Mathematics, Physics and Informatics

THESIS ASSIGNMENT

Name and Surname: Bc. Matúš Gál

Study programme: Applied Computer Science (Single degree study, master II. deg., full time form)

Field of Study: Computer Science

Type of Thesis: Diploma Thesis

Language of Thesis: English

Secondary language: Slovak

Title: Symmetries of combinatorial structures

Annotation: The aim of the theses is to study algebraic tools (groups, inverse semigroups,...)to describe symmetries of several combinatorial structures (like graphs, hypergraphs, designs, ...). The work will involve generating these underlying algebraic structures by computer, resp. computer searching through big families of these structures for certain given properties.

Supervisor: doc. RNDr. Tatiana Jajcayová, PhD.

Department: FMFI.KAI - Department of Applied Informatics

Head of department: prof. Ing. Igor Farkaš, Dr.

Assigned: 01.10.2020

Approved: 08.10.2020   prof. RNDr. Roman Ďurikovič, PhD.
Guarantor of Study Programme

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Student   Supervisor