

## ABSTRACT

LEKÁR, Milan: *The impact of immigration on the development of mathematics in Slovakia*. [PhD. thesis]. Comenius University in Bratislava, Faculty of mathematics physics and informatics; Department of Mathematical Analysis and Numerical Mathematics. Supervisor's name: doc. RNDr. Róbert Jajcay, DrSc. Bratislava: FMFI UK, 2022. 106 p.

The aim of the dissertation is to create a work in the field of research into the impact of emigration on the development of Slovak mathematics and to examine all its main aspects. One of the main goals is to research the impact of emigration in general, and we are also researching it in the specific case of a graph theory seminar in Bratislava. Another aim is to create a list of mathematicians who have emigrated throughout history and to clarify the reasons and motivations for the decision to emigrate. One of the main goals is to create a case study of mathematicians who emigrated to the same country as in the case of Slovak mathematicians who emigrated to the USA and Canada or as in the case of mathematicians who emigrated to the Czech Republic. The work also contains quantitative research methods, especially data evaluation, but also qualitative research methods, such as the interview with prominent Slovak-Canadian mathematician prof. Alexander Rosa and evaluation of the questionnaire focusing on qualitative questions.

**Key words:** emigration, Slovak mathematicians, Slovak, mathematics, Canada, Czech Republic, USA, abroad, seminar