

MATHEMATISCHES INSTITUT DER UNIVERSITÄT BAYREUTH

DER GESCHÄFTSFÜHRENDE VORSTAND

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8. November 2022

Einladung

zum

Mathematischen Kolloquium

Am Donnerstag, dem 24. November 2022, spricht

Herr Prof. Dr. Robert Bailey,
School of Science and the Environment Grenfell Campus
Memorial University of Newfoundland, Canada
Gast am Lehrstuhl Didaktik der Mathematik
bei Herrn Prof. Dr. Alfred Wassermann

über das Thema

Computer constructions of graphs with primitive automorphism groups

Abstract

The GAP computer algebra system contains libraries of primitive permutation groups (i.e. those which preserve no interesting equivalence relations). With the assistance of my undergraduate research students, I have been analysing these libraries with the ultimate aim of classifying the distance-regular graphs (a class of highly-structured graphs) with such groups as automorphism groups. In this talk, I will discuss the status of this work, a few surprises which came up along the way, and some (theoretical and computational) questions which remain open.

Beginn: 16.30 Uhr (Kaffee/Tee ab 16.00 Uhr im Seminarraum 748)

Ort: Hörsaal H 19, Gebäude Naturwissenschaften II, Universitätsgelände

gez. J. Rambau