

СЕКЦИЯ „АЛГЕБРА И ЛОГИКА”

ВСТЪПИТЕЛНА АКАДЕМИЧНА ПУБЛИЧНА ЛЕКЦИЯ

на доц. Йорг КОПИЦ (Jörg KORRITZ)

Драги колеги,

На 9 юни 2017 г. (петък) от 13:00 часа в зала 578 на ИМИ – БАН
новият сътрудник на секцията

доц. Йорг КОПИЦ

ще изнесе своята встъпителна академична публична лекция на
тема

From Tournaments to Ljapin's identities.

Поканват се всички желаещи.

От секция „Алгебра и логика” на ИМИ – БАН

<http://www.math.bas.bg/algebra/seminarAiL/>

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Abstract

We would like to draw an arc from the Graph Theory over transformation semigroups and completely regular semigroups until Birkhoff Theory. In this presentation, we will uncover a relationship between endomorphisms on tournaments and semigroups of order-preserving transformations. One can extend the idea of order-preserving transformations from chains to fences (zig-zag posets). Recently, coregular semigroups of fence-preserving transformations were studied. The concept of coregularity was introduced by Todorov and Bijev in the 80's. Coregular semigroups are particular completely regular semigroups. But we will show how completely regular semigroups can be described by classes "next" to Birkhoff's varieties (introduced by Ljapin) due to an idea by J. P. Aroujo (2015).