

СЕМИНАР

„АЛГЕБРА И ЛОГИКА”

Драги колеги,
Следващото заседание на семинара ще се проведе
на 17 май 2019 г. (петък) от 13:00 часа
в зала 578 на ИМИ – БАН.
Доклад на тема

Some Congruences on the Endomorphism Monoid of a Particular Digraph

ще изнесе

Laddawan Lohapan (Khon Kaen University, Thailand).

Поканват се всички желаещи.

От секция „Алгебра и логика” на ИМИ – БАН

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

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Abstract

As normal subgroups in groups, congruences in Semigroup Theory play an important role. We consider the endomorphism monoid of the directed graph on the set of all natural numbers together with the so-called zig-zag order. The endomorphism monoid on a zig-zag order on \mathbb{N} can be regarded as the monoid $O_{\mathbb{N}}$ of transformations preserving a zig-zag order. This monoid was first studied by Currie in 1991 and Rutkowski in 1992. In this presentation, we determine all maximal congruences on $O_{\mathbb{N}}$ containing a particular equivalence on $O_{\mathbb{N}}$.