K. 510

数理解析研究所講究録31

準群の代数的理論



京都大学数理解析研究所1967年10月

Contents

T. Tamura, Recent study of semigroups	1
Kiyoshi Iseki, An algebraic formulation of propositional	
calculi ······	36
Miyuki Yamada, Abstract properties P such that any semigroup	
which is a semilattice of commutative semigroups with P	
is commutative	47
Morio Sasaki, On N-semigroups	65
Tôru Saitô, The archimedean property in an ordered semigroup.	87

This is the memoirs of a seminar on the algebraic theory of semigroups held from 5th to 7th in May 1967 at the Research Institute for Mathematical Sciences in Kyoto University. We had the seminar hoping that it would be the foundation of mutual communication in future in a larger circle of research workers of our branch and also of related ones. We would be pleased to recieve all kinds of correspondence from investigators in Japan as well as in foreign countries.

It was our pleasure that Prof. T. Tamura joined us in the seminar who was staying in Japan during the period.

Finally we should acknowledge with gratitude that the seminar and the publication of the memoirs were carried out with the financial support of the Research Institute for Mathematical Sciences.

Tôru Saitô
The editor

Author's Addresses

- T. Tamura, Department of Mathematics, University of California,
 Davis, California, U. S. A.
- Kiyoshi Iseki, Department of Mathematics, Kobe University, Nada, Kobe, Japan.
- Miyuki Yamada, Department of Mathematics, Shimane University, Matsue, Japan.
- Morio Sasaki, Department of Mathematics, Iwate University, Morioka, Japan.
- Tôru Saitô, Department of Mathematics, Tokyo Gakugei University, Koganei, Tokyo, Japan.