

INTRODUCING FULLY UP-SEMIGROUPS¹

AIYARED IAMPAN²

Department of Mathematics, School of Science
University of Phayao, Phayao 56000, Thailand

e-mail: aiyared.ia@up.ac.th

Abstract

In this paper, we introduce some new classes of algebras related to UP-algebras and semigroups, called a left UP-semigroup, a right UP-semigroup, a fully UP-semigroup, a left-left UP-semigroup, a right-left UP-semigroup, a left-right UP-semigroup, a right-right UP-semigroup, a fully-left UP-semigroup, a fully-right UP-semigroup, a left-fully UP-semigroup, a right-fully UP-semigroup, a fully-fully UP-semigroup, and find their examples.

Keywords: semigroup, UP-algebra, fully UP-semigroup.

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²Corresponding author.

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