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Pure ideals in ordered power semigroups on semihypergroups induced by posets*

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Abstract. The concept of power semigroups on semihypergroups was introduced by the authors in 2022 [10]. Ordered power semigroups on semihypergroups induced by posets are algebraic structures which are generalization of power semigroups on semihypergroups. In this paper, we investigate properties of ideals and pure ideals in ordered power semigroups on semihypergroups induced by posets.

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