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Denecke, K. [[Denecke, Klaus-Dieter](#)] (D-PTDM-IM); **Sarasit, N.** (D-PTDM-IM)

Products of tree languages. (English summary)

Bull. Sect. Logic Univ. Łódź **40** (2011), *no. 1-2*, 13–36.

Noting that the set of all tree languages (over a fixed type) forms a semigroup with the z -product, the authors study idempotents and regular elements of this semigroup, along with Green's relations \mathcal{L} and \mathcal{R} in constant, left-zero and right-zero sub-semigroups and in rectangular bands. Note that the class of all recognizable tree languages forms a sub-semigroup of the above semigroup. The authors characterize all idempotent elements of this sub-semigroup. *Saeed Salehi*

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