An uncountable family of monotone homogeneous dendrites

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Abstract: H. Kato has shown in [4] and [5] that the standard universal dendrite D_3 of order 3 is homogeneous with respect to monotone mappings. The result has later been generalized in [1] by showing that for each $m \in \{3, 4, \ldots, \leq\}$ the standard universal dendrite D_m of order m has the discussed property. In this paper these results are extended to all standard universal dendrites D_S, where S is an arbitrary nonempty subset of $\{3, 4, \ldots, \leq\}$.