

This is a Corrigendum to the following paper:

J.-L. Loday, *On the algebra of quasi-shuffles*, Manuscripta Mathematica 123, no1, (2007), 79–93

In the definition of a CTD-algebra (definition 2.1), and therefore in Proposition 1.7, the axiom

$$(x \cdot y) \prec z = x \cdot (y \prec z)$$

has to be replaced by

$$(x \cdot y) \prec z = x \cdot (y \prec z) = (x \prec z) \cdot y$$

The point is the following. In the proof of Proposition 1.7 it is said that relation (5) of a tridendriform algebra is implied by relation (4) under the symmetry relations. This is not true, therefore, in the axioms of a CTD-algebra one has to put the translation in terms of the operations \prec and \cdot of relation (5). This amounts to the aforementioned modification.

All the results of this paper are valid under this modification because the proofs were made with dendriform algebras satisfying the symmetry properties.

This modification is mentioned in section 4.3.4 of

J.-L. Loday, *Generalized bialgebras and triples of operads*, Astérisque 320 (2008).

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