Abstract: In this paper an application of the recently introduced pre-Lie Magnus expansion to Jackson’s q-integral and q-exponentials is presented. Twisted dendriform algebras, which are the natural algebraic framework for Jackson’s q-analogues, are introduced for that purpose. It is shown how the pre-Lie Magnus expansion is used to solve linear q-differential equations. We also briefly outline the theory of linear equations in twisted dendriform algebras.

How much of the theory of associators can be recovered/predicted from the existence of a quasi-homomorphic expansion for the tower of braid groups?

I can no longer learn new things; at best I can aim to fit new things into my existing worldview.

In w-world, is there a “thick tube” opposite to “thin tube” = “10 paths”?