Exotic automorphisms of the Schouten algebra of polyvector fields

Abstract:
Using a new compactification of the (braid) configuration space of n points in the upper half plane we construct a family of exotic Lie-infinity automorphisms of the Schouten algebra of polyvector fields on an affine space depending on a Kontsevich type propagator.

Prof. Dr. Sergei A. Merkulov
(Stockholm University and the MPIM, Bonn)