

1086-46-2422

Alexandru Nica* (anica@math.uwaterloo.ca), Pure Mathematics Department, University of Waterloo, 200 University Avenue West, Waterloo, Ontario N2L 3G1, Canada. *On the Hopf algebra approach to the S-transform.*

The S-transform is used in free probability in order to study multiplication of free random variables. In this talk I will discuss a Hopf algebra approach to the S-transform which was initiated in a 2010 paper by M. Mastnak and myself. (Received September 25, 2012)