Severa: Rational Drinfeld associators and their denominators

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Joint W/ Aleksuv & M. Podkopreva \$\phi \ k << >\c, y >> \ s.t.

1. $\phi = \exp\left(\text{Lie Series}\right) \Leftrightarrow \Delta \phi = \phi \otimes \phi / alg.$

 $2 \quad \phi(x,y) = \phi(y,x)^{-1}$

3.5-90n 4.6-90n.

Vsed: 1. Deformation quantitation / formality.
(Tamarkin)

2. Quantization of Lie-bialguens/E-K.

3. Knot theory. 4. Lie theory.

An associator is a morphism
PaBn - Tn(K)

which preserves the operad structure on both sides.

Throng Trational Orinfell associator s.f.

Vp (dog n coeffs of \$) ≤ (p-1)2 h-1

Note V, (n!) = 1-1 n - 1