Srni 2019

Singular BGG complexes over isotropic 2-Grassmannian - Denis Husadžić

Completed Hopf algebroid over $\mathcal{U}(\mathfrak{g})$ of formal d.f. operators on a Lie group G - Martina Stojić

$\mathcal{U}(\mathfrak{g}^L)$ Hopf alg, $\hat{x}_1, \dots, \hat{x}_n$ non-comm. "coordinates"
$\hat{S}(\hat{\mathfrak{g}}^*)$ → as algebra $\mathbb{K}[[\hat{\partial}_1, \dots, \hat{\partial}_n]]$
→ as coalgebra, "dual to $\mathcal{U}(\mathfrak{g}^L)$"
- needs completion $\hat{\otimes}$

- so we have a problem with the action $\hat{S}(\mathfrak{g}^*)$ "$\triangleright$" $\mathcal{U}(\mathfrak{g}^L)$ since (putting $L = \mathcal{U}(\mathfrak{g}^L)$, $H = L^V$)

$$(H \hat{\otimes} H) \otimes L \to H \otimes L \to L$$
$$\uparrow \not\exists \qquad\qquad \| $$
$$H \otimes (H \otimes L) \to H \otimes L \to L$$

$$\mathrm{Diff}^\omega(G, e) \simeq J^\infty(G, e) \# \mathcal{U}(\mathfrak{g}^L)$$

Localisation approach to n.c. flag variety - Zoran Škoda

- ncg approach → space $\overset{\text{duality}}{\hookrightarrow}$ "objects" on space

Tangent lift of Poisson structures - Karolina Wojciechowicz

On C^*-algebras, dynamical systems and classifications - Karen Strung