

## 九大代数学セミナー

通常と曜日が異なります

日時 2018年5月17日(木) 16:00-17:00

場所 九州大学伊都キャンパス ウエスト1号館5階 C-512 中講義室

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講演者: Ulf Kuehn 氏 (University of Hamburg)

- “Lie Algebras related to multiple  $q$ -zeta values and period polynomials”
- The linearised double shuffle Lie algebra, whose elements are polynomials satisfying some functional equations, conjecturally describes the algebraic structure of multiple zeta values. The relations in depth two for this Lie algebra are given by period polynomials associated with modular forms for  $SL_2(\mathbb{Z})$ . We show that tensor products of period polynomials describe the relations in depth two in a Lie algebra related to multiple  $q$ -zeta values.

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