



Algebra and
Representation
Theory

RWTH AACHEN
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Aachen | GERMANY

4th ABCD-Seminar

Wednesday, July 29th, 2020, 3:15 pm

Ilya Dumanski
HSE Moscow

Global Demazure modules

Global and local Weyl modules form an important class of representations of the current algebra of semisimple Lie algebra. It is known that in a simply laced case local Weyl module is isomorphic to the affine Demazure module of level 1. I plan to describe the construction, properties and geometric applications of the global version of Demazure modules of arbitrary level, which generalize global Weyl modules.