

4th ABCD-Seminar

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

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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.