Contribution ID: **17**   Type: **not specified**

On programming with algebraic groups

Thursday, 10 March 2022 10:50 (30 minutes)

In group theory, we have a certain type of groups, i.e. algebraic groups. Thanks to an additional underlying structure, we have certain rules for the action of the groups on themselves and their associated Lie algebras. We are interested in solving several problems concerning algebraic groups (for example linked to representation theory) in small characteristic. These complex problems often require computation. This talk will look into a possible solution for a programme concerned with orbit calculations over an algebraic closure of a field with small characteristic.

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Session Classification: Vorträge 1