Introduction to Linear Algebraic Groups

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\textbf{Timetable:} 20 hrs. First lecture on March 11, 2015, 09:30 (dates already fixed, see the calendar), Torre Archimede, Room 2BC/30.

\textbf{Course requirements:} Linear algebra

\textbf{Examination and grading:} Completion of a selected set of exercises to be done at the end of the course.

\textbf{SSD:} MAT/02

\textbf{Aim:} We aim to show the main results and tools used for dealing with simple algebraic groups.

\textbf{Course contents:}

- Basic algebraic geometry and properties of algebraic groups
- Abelian algebraic groups
- Borel subgroups
- Connected reductive linear algebraic groups
- Root data and the classification theorem