



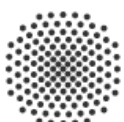
Lecture announcement Summer Term 2023

Commutative Algebra

Prof. Dr. Frederik Witt

In this lecture course we will continue the investigation of finitely generated modules over commutative rings which we started in the course GAGA A. Apart from more specialised topics such as flatness we focus on various numerical invariants which generalise the dimension of vector spaces. Towards this end we introduce the basic tools from homological algebra (in particular derived categories and functors). These play also a crucial role in modern developments of other areas such as representation theory or algebraic geometry.

More information on ILIAS.



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