## پژوهشگاه دانشهای بنیادی \_\_\_\_\_ سمینار هفتگی جبر جابهجایی

(پائيز ۱۳۹۱)

Analytic methods in commutative algebra $Analytic$ methods of commutative algebra $Analytic$ محسن اصغرزاده،	, ٧, ١٣
شخسن اصغرزاده، یژوهشگاه دانشهای بنیادی	
Abstract	
In this talk we review the theory of integration and introduce some of its apple to commutative algebra.	ications
he derived category analogue of the Hartshorne-Lichtenbaum vanishing theo- rem مرضیه حاتم خانی، دانشگاه الزهرا	91/4/40
دانسکاه الزهرا 	
Let $\mathfrak{a}$ be an ideal of a local ring $(R, \mathfrak{m})$ and $X$ a $d$ -dimensional homologically be complex of $R$ -modules whose all homology modules are finitely generated. Verifically, $H^d_{\mathfrak{a}}(X) = 0$ if and only if $\dim \widehat{R}/\mathfrak{a}\widehat{R} + \mathfrak{p} > 0$ for all prime ideals $\mathfrak{p}$ of $\widehat{R}$ such that $H^d_{\mathfrak{a}}(X) = 0$ if $H^d_{\mathfrak{a}}(X) = 0$ if $H^d_{\mathfrak{a}}(X) = 0$ for all prime ideals $H^d_{\mathfrak{a}}(X) = 0$ for $H^d_{\mathfrak{a}}(X) = 0$ for all prime ideals	Ve show
esolution of morphisms of algebraic varieties (Monomialization and toroidal- ization) راضیه احمدیان، پژوهشگاه دانشهای بنیادی Abstract	91/4/11
Suppose that $\phi: X \to Y$ is a morphism of k-varieties, where k is an algebraced field of characteristic zero. In general, the structure of $\phi$ may be excomplicated. A natural question to ask is if it is possible to perform monoidated forms (blow-ups with smooth centers) over X and Y to produce a morphism has a relatively simple structure. In this talk, we want to introduce monon toroidal morphisms and we will provide an overview of the monomialization problems.	tremely al trans- n which nial and
Expansions of multigraded modules شمیلا بیات، دانشگاه صنعتی امیرکبیر	91,1,10
Abstract	
We introduce an exact functor defined on multigraded modules, which we expansion functor, and study its homological properties.	call the
Sequence of exact zero-divisors محسن غیبی، دانشگاه خوارزمی و پژوهشگاه دانشهای بنیادی Abstract	91/9/9
The concept of a sequence of exact zero-divisors on a Noetherian local ring is and studied. Some properties of sequences of exact zero-divisors are comparregular sequences.	defined ed with
Koszul algebras	91,9,77
رسول آهنگری ملکی،	7.9
دانشگاه خوارزمی	
Abstract	•
The goal of this talk is to introduce a class of graded algebras called Koszul a Let $R$ be a standard graded algebra over a field $K$ . $R$ is said to be Koszul if linear free resolution as an $R$ -module. From certain point of views, Koszul a behave homologically as polynomial rings. For example all finitely generated modules over a Koszul algebra have finite regularity.	K has a algebras

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