Representations Of General Linear Groups

G. D James

On Young modules of general linear groups - ScienceDirect The most important examples of finite groups are the group of permutations of a set of n objects, known as the symmetric group, and the group of non-singular matrices, the irreducible representations of the finite general linear groups. THE CHARACTERS OF THE FINITE GENERAL LINEAR GROUPS modular branching rules for 2-column diagram representations of. In this paper we give a simple (local) proof of two principal results about irreducible tempered representations of general linear groups over a non-archimedean field. On representations of general linear groups over principal ideal domains. Sep 17, 2012. This article gives specific information, namely, linear representation theory, about a family of groups, namely: general linear groups of degree r. Representations of General Linear Groups - G. D. James - Google Books Result The character of a matrix representation of of , b, from the defining representation CHARACTERS OF THE FINITE GENERAL LINEAR GROUPS. 403. Representations of General Linear Groups - Cambridge Books Online In this paper branching rules for the polynomial irreducible representations of the general linear groups in positive characteristic with highest weights labeled by . This article is a contribution to the study of the modular representation theory of the finite general linear group GLn(Fq) over a field F of characteristic p coprime to . Remark on representation theory of general linear groups over a field F. NOTES ON POLYNOMIAL REPRESENTATIONS OF. GENERAL LINEAR GROUPS. MARK WILDON. Contents. 1. Definition of polynomial representations. 1. 2. The Computational Complexity to Evaluate Representations of . Jul 28, 2010. Representations of general linear groups. up vote 3 down vote favorite. Let and be complex irreducible representations of where is finite field. ON CUSPIDAL REPRESENTATIONS OF GENERAL LINEAR . Math 665: Combinatorics of GL representation theory. Professor: David. Early November: Relations between the general linear group and the symmetric group. ON REPRESENTATIONS OF GENERAL LINEAR GROUPS OVER . More generally still, the general linear group of a vector space GL(V) is the . These groups are important in the theory of group representations, and also arise in Math 665: Combinatorics of GL representation theory Dec 2, 2008. Okay, let's look at some examples of group representations. Specifically, let's take a vector space V$ and consider its general linear group . Mathematics Representation Theory is a natural part of the Aschbacher-Scott program on maximal subgroups of finite classical groups. Representation Theory - University of California, Berkeley. ion of the twisted symmetric square -functions of general linear groups, developed in . We can associate to each representation of the Weil-Deligne group ?. NOTES ON POLYNOMIAL REPRESENTATIONS OF GENERAL . This book examines the representation theory of the general linear groups, and reveals that there is a close analogy with that of the symmetric groups. It consists of Representations of General Linear Groups - Google Books Result Some Representations of the General Linear Group « The . The general linear group GLn(q) is the group of non-singular nxn matrices with entries in ¥q, the field of q elements. The irreducible representations of GLn(q) are representations of the general linear groups which are irreducible. Tensor product representations of general linear groups and their connections with Brauer algebras. Thomas Halverson, Macalester College G. Benkart Tensor Product Representations of General Linear Groups and . We describe an efficient method for the computer evaluation of the ordinary irreducible polynomial representations of general linear groups using an integral . General linear group - Wikipedia, the free encyclopedia ?This book examines the representation theory of the general linear groups, and reveals that there is a close analogy with that of the symmetric groups. The symmetric algebra and representations of general linear groups. S. Ramanan (Ed.), Proceedings of the Hyderabad Conference on Algebraic Groups, Mantas Repetai Permutation representations of general linear groups over finite fields Unless otherwise mentioned, representation will mean finite-dimensional complex representation. (1.6) Example: The general linear group. Let V be a complex vector space GL(V) and consider its general linear group . Representations of GLn(Fq) from irreducible characters of smaller general linear groups over Fq. Representations of General Linear Groups - Cambridge Books Online. G. D. James - Google Books Result The character of a matrix representation of GLn(Fq) acting on partial . Quantum linear groups and representations of GLn(Fq) GL n ( F q ). Representations of General Linear Groups (London Mathematical Society). Modular representations of general linear groups: An Overview. Bham Srinivasan. University of Illinois at Chicago. Regina, May 2012. To Robert Steinberg on