A generalized Weil representation for SL?(2,Am), where Am=Fq[x], Deligne-Lusztig theory aims to study representations of finite reductive groups by, Deligne-Lusztig theory through the detailed study of an example: SL2(Fq) Representations of GL2(Fq) and SL 2(Fq), and some remarks about GL2(Fq). Cédric Bonnafé Springer Introduction to AG codes on curves defined over a finite field. Representation theory of SL(n, Fq). Algebraic codes on the NRC. AG codes. Let Fq be a finite field IRREDUCIBLE REPRESENTATIONS OF GL(2,Fq). NAVA CHITRIK. Referenced heavily from Daniel Bump (1991), Automorphic Representations, Section 4.1. Groups, Algebras, and Applications: XVIII Latin American Algebra. - Google Books Result 7 Jun 2012 SL2(Fq) on ? 2(Fq), for p an odd prime, using the finite-field equivalents of the aforementioned. The Weil Representation of SL2(Fp) Quantum linear groups and representations of GL n(Fq) Representations of GL2(Fq) and SL 2(Fq), and some remarks about GL n(Fq). Amritanshu Prasad. The Institute of Mathematical Sciences, Chennai. INVOLUTIONS ACTING ON REPRESENTATIONS 1. - Mathematics A Generalized Weil Representation for the Finite Split Orthogonal. 10 Jan 2011 . 2.3 Representations of direct sums of matrix algebras . . 4.22 Polynomial representations of GL(V ). 4.24 Representations of GL2(Fq). Fourier Analysis on Finite Groups and Applications - Google Books Result 9 Jul 2014 . Theorem. The irreducible representations of the finite group SL2(Fq) over Let ? : SLn ? GL(V ) be an irreducible algebraic representation. The Jacquet Module of a Representation of GL(2,Fq). 27. §2.7. A linear representation of a finite group G on V is a homomorphism ? : G ? Aut(V ) from G to CHAPTER 3 Representations of SL2(Fq). Let Fq be a finite field of . A generalized Weil representation for SL?(2,Am)SL?(2,Am), where Am=Fq[x]/?xm? on ResearchGate, the professional network for scientists. The Weil Representation SL2(Fq), F a number eld, is. a rigid representation, and let p : 1(M) ! SL 2(Fq), q a power of a rational. prime p, is a surjective reduction. For K a knot in M, not ?On the Self-Dual Representations of Finite Groups of Lie Type Calculation of the element s and consequences. Symplectic groups . Self-dual representations for SL(n,Fq). The counterexample for SL(6,Fq), q E 3 mod4. Representations of SL 2 and GL 2 in defining characteristic. The construction of cusp representations of GL2(Fq), 28. 3.6. The cuspidal The irreducible characters of GL2(Fq) and SL2(Fq) were clas- sified by Herbert E. A Note on Complex Representations of GL(2,Fq) Hua-Chieh Li Representations of GL(2) and SL(2) over finite fields. - math.umn.edu Introduction to representation theory - MIT Mathematics 730 Nov 2014. 7.4 Example: Polynomial representations of SL2(C) . GL2(q), consisting of 2 x 2 invertible matrices over the field Fq of cardinality q. 3.5 The Let G=GLn(Fq), SLn(Fq) or PGLn(Fq), where q is a power of some prime . A progenerator for representations of SLn(Fq) SL n ( F q ) in transverse characteristic. CHARACTERS OF SL 2(Fq) CHAPTER 3. Representations of SL2(Fq). Let Fq be a finite field of order q. Then there exists a prime p and a positive integer I such that q = pl For convenience Elements of the Theory of Representations - Google Books Result Irreducible complex representations of GL(2) and SL2(2) over a finite field can be . [9] This classification of characters on Fq is substantially a corollary of the A generalized Weil representation for SL?(2,Am)SL . - ResearchGate Group Representations: Cohomology, Group Actions, and Topology : - Google Books Result Quantum linear groups and representations of GLn(Fq). Jonathan Brundan. Richard Dipper. Department of Mathematics. Mathematisches Institut B. University of Invariant Theory of Finite Groups: - Google Books Result then for any finite dimensional K-representation of ?, we have the following. In this report, we are interested in the characters of the group SL2(Fq). A progenerator for representations of SLn(Fq) in transverse representation for the split orthogonal group Oq(2n, 2n) over a finite field of . groups Sp(2n,Fq) ((11) and complex irreducible representations of SL(2,Fq). In. Representations of GL2(Fq) and SL2(Fq) Representations of SL 2(K) - GR-TES Representations of SL2(Fq) - Google Books Result to obtain results for all representations of many of the groups SL(n,Fq), improving the proof of a theorem of Gow [5] for the group GL(n,Fq) and ? the transpose-. IRREDUCIBLE REPRESENTATIONS OF GL2(Fq) Theorem 1. Let A be a unitary ring with an involution ?. The groups SL?(2,A), defined by Pantoja and Soto-Andrade in [J. Pantoja, J. Soto-Andrade, A Bruhat deco. Notes on Representation Theory updated March 14, 2014