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Nota di contenuto	Frontmatter -- TABLE OF CONTENTS -- INTRODUCTION -- 1. COMPUTATION OF LOCAL INTERSECTION COHOMOLOGY OF CERTAIN LINE BUNDLES OVER A SCHUBERT VARIETY -- 2. LOCAL INTERSECTION COHOMOLOGY WITH TWISTED COEFFICIENTS OF THE CLOSURES OF THE VARIETIES XW -- 3. GLOBAL INTERSECTION COHOMOLOGY WITH TWISTED COEFFICIENTS OF THE VARIETY XW -- 4. REPRESENTATIONS OF WEYL GROUPS -- 5. CELLS IN WEYL GROUPS -- 6. AN INTEGRALITY THEOREM AND A DISJOINTNESS THEOREM -- 7. SOME EXCEPTIONAL GROUPS -- 8. DECOMPOSITION OF INDUCED REPRESENTATIONS -- 9. CLASSICAL GROUPS -- 10. COMPLETION OF THE PROOF OF THEOREM 4.23 -- 11. EIGENVALUES OF FROBENIUS -- 12. ON THE STRUCTURE OF LEFT CELLS -- 13. RELATIONS WITH CONJUGACY CLASSES -- 14. CONCLUDING REMARKS -- APPENDIX -- REFERENCES -- SUBJECT INDEX -- NOTATION INDEX -- Backmatter
Sommario/riassunto	This book presents a classification of all (complex)irreducible representations of a reductive group withconnected centre, over a finite field. To achieve this,the author uses etale intersection cohomology, anddetailed information on representations of Weylgroups.