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Nota di contenuto	A vanishing theorem in relative Lie algebra cohomology -- Nilpotent orbits, primitive ideals, and characteristic classes -- Some examples of hochschild and cyclic homology -- On the topology of algebraic torus actions -- Restricted lie algebra cohomology -- On geometric invariant theory for infinite-dimensional groups -- Etale local structure of matrix invariants and concomitants -- Fourier transforms on a semisimple Lie algebra over F_q -- Commuting differential operators and zonal spherical functions -- Some surfaces covered by the ball and a problem in finite groups -- Invariant theory and kloosterman sums -- On actions of on -- Normality of G -stable subvarieties of a semisimple Lie algebra -- Unipotent elements and parabolic subgroups of reductive groups. II.
Sommario/riassunto	From 1-4 April 1986 a Symposium on Algebraic Groups was held at the University of Utrecht, The Netherlands, in celebration of the 350th birthday of the University and the 60th of T.A. Springer. Recognized leaders in the field of algebraic groups and related areas gave lectures which covered wide and central areas of mathematics. Though the fourteen papers in this volume are mostly original research contributions, some survey articles are included. Centering on the Symposium subject, such diverse topics are covered as Discrete Subgroups of Lie Groups, Invariant Theory, D-modules, Lie Algebras, Special Functions, Group Actions on Varieties.

