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Nota di contenuto	Topology: past, present and future -- The work of Edgar H. Brown, Jr. in Topology -- Homology representations of finite transformation groups -- Homotopy exponents for spaces of category two -- On the complex bordism of classifying spaces -- On equivariant maps and immersions of real projective spaces -- Cogroups which are not suspensions -- Instantons and homotopy -- On real homotopy theory -- Some remarks on the space $Im J$ -- A new spectrum related to 7-connected cobordism -- Aspherical manifolds without smooth or PL structure -- Homology with simplicial coefficients -- On the double suspension -- A whitehead product for track groups -- Minimal atlases of real projective spaces -- Higher homotopy associativity -- Homotopy approximations for classifying spaces of compact lie groups -- Cyclic homology and characteristic classes of bundles with additional structures -- Morava K-theories and infinite loop spaces -- Lie groups from a homotopy point of view -- Order of the identity map of the Brown-Gitler spectrum -- Topology of the intersection of quadrics in \mathbb{R}^2 -- Orientations for Poincaré duality spaces and applications -- A double coset formula for levi subgroups and splitting BGL_n -- Browder-Fröhlich symbols -- K-theory homology of spaces -- Stirling and Bernoulli numbers for complex oriented homology

theory -- Composition products in $R\text{Hom}$, and ring spectra of derived endomorphisms -- Convexity and root closure in negatively curved manifolds -- Cohomology of finite groups and brown-peterson cohomology -- The artin-hasse logarithm for \mathbb{Z} -rings -- Higher cohomology operations that detect homotopy classes -- Problem session for homotopy theory -- H-spaces -- K and L-theory -- Manifolds & bordism -- Transformation groups.

Sommario/riassunto

These are proceedings of an International Conference on Algebraic Topology, held 28 July through 1 August, 1986, at Arcata, California. The conference served in part to mark the 25th anniversary of the journal *Topology* and 60th birthday of Edgar H. Brown. It preceded ICM 86 in Berkeley, and was conceived as a successor to the Aarhus conferences of 1978 and 1982. Some thirty papers are included in this volume, mostly at a research level. Subjects include cyclic homology, H-spaces, transformation groups, real and rational homotopy theory, acyclic manifolds, the homotopy theory of classifying spaces, instantons and loop spaces, and complex bordism.
