

Contents

Preface	ix
List of speakers	xi
Conjectures de type local-global sur l'image des groupes de Chow dans la cohomologie étale J.-L. COLLIOT-THÉLÈNE	1
Algebraic theory of characteristic classes of bundles with connection H. ESNAULT	13
Polylogarithmic identities in cubical higher Chow groups H. GANGL AND S. MÜLLER-STACH	25
Topological cyclic homology of schemes T. GEISSER AND L. HESSELHOLT	41
Filtrations on higher algebraic K -theory H. GILLET AND C. SOULÉ	89
Motivic cohomology of smooth geometrically cellular varieties B. KAHN	149
Integral homology of PGL_2 over elliptic curves K. KNUDSON	175
Application of motivic complexes to negligible classes E. PEYRE	181
Two-primary algebraic K -theory of spaces and related spaces of symmetries of manifolds J. ROGNES	213
A mini-course on recent progress in algebraic K -theory and its relationship with topology and analysis J. ROSENBERG	231
The Chow ring of a classifying space B. TOTARO	249
Voevodsky's Seattle lectures: K -theory and motivic cohomology V. VOEVODSKY (NOTES BY C. WEIBEL)	283
Products in higher Chow groups and motivic cohomology C. WEIBEL	305