

TABLE OF CONTENTS

Survey-Talks

M.S. Narasimhan	
Survey of vector bundles on curves	1
F.-O. Schreyer	
Finite and countable CM-representation type	9
I. Reiten	
Finite dimensional algebras and singularities	35

Research-Articles

Singularities

R.O. Buchweitz, D. Eisenbud, J. Herzog	
Cohen-Macaulay modules on quadrics (with an appendix by R.O. Buchweitz)	58
J.A. Christophersen	
Monomial curves and obstructions on cyclic quotient singularities	117
J. Herzog, H. Sanders	
The Grothendieck group of invariant rings and of simple hypersurface singularities	134
H. Knörrer	
Torsionsfreie Moduln bei Deformation von Kurvensingularitäten	150
C.J. Rego	
Deformation of modules on curves and surfaces	157
A. Schappert	
A characterization of strict unimodular plane curve singularities	168

J. Steenbrink, St. Zucker	
Polar curves, resolution of singularities, and the filtered mixed Hodge structure on the vanishing cohomology	178
D. van Straten	
On the Betti numbers of the Milnor fibre of a certain class of hypersurface singularities	203
J. Wunram	
Reflexive modules on cyclic quotient surface singularities	221

Representation of Algebras

M. Auslander, I. Reiten	
Almost split sequences for \mathbb{Z} -graded rings	232
E. Dieterich	
The Auslander-Reiten quiver of an isolated singularity	244
W. Geigle, H. Lenzing	
A class of weighted projective curves arising in representation theory of finite dimensional algebras	265
D. Happel	
Repetitive Categories	298
K.W. Roggenkamp	
Almost split sequences for some non-classical lattice categories	318

Vector Bundles

W. Böhmer, G. Trautmann	
Special Instanton bundles and Poncelet curves	325

I.M. Drezet

Groupe de Picard des variétés de modules de
faisceaux semi-stable sur \mathbb{P}_2 337

C. Ellingsrud, S.A. Strømme

On the rationality of the moduli space for
stable rank-2 vector bundles on \mathbb{P}_2 363

O. Forster, K. Wolffhardt

A theorem on zero schemes of sections in two-
bundles over affine schemes with applications to
set theoretic intersections 372