

数理解析研究所講究録 446

可換代数と代数幾何

禁帯出期間

57. 2. 18 - 2. 25

数研図書室

京都大学数理解析研究所

1981年12月

RIMS Kokyuroku 446

Commutative Algebra and Algebraic Geometry



December, 1981

Research Institute for Mathematical Sciences

Kyoto University, Kyoto, Japan

R.I.M.S. Symposium

on

Commutative Algebra and Algebraic Geometry

September 10-12, 1981

Organizer: Tadao Oda

Contents

1. Rings with good formal fibres.....	1
Jun-ichi Nishimura Kyoto Univ.	
2. The Koszul complex of Buchsbaum modules.....	15
Naoyoshi Suzuki Shizuoka College of Pharmacy	
3. Birational-integral extensions.....	26
Ken-ichi Yoshida Osaka Univ.	
4. Applications of algebraic geometry to combinatorics.....	34
Melvin Hochster Univ. of Michigan	
(Notes by Yutaka Matsuura, Nihon Univ.)	
5. Local rings with multiplicity two.....	42
Shin Ikeda Nagoya Univ.	
6. The complements of projective plane curves.....	48
Shuichiro Tsunoda Osaka Univ.	
7. The topology of certain affine surfaces.....	56
Takao Fujita Tokyo Univ.	
8. Quasi-polynomial algebras.....	70
Teruo Asanuma Toyama Univ.	

9. Differential graded models for local rings.....80

Luchozar L. Avramov  
Univ. of Sofia.

10. Rational singularities on rational surfaces.....89

N. Mohan Kumar  
Tata Inst. of Fundamental Research.

11. Stable reflexive sheaves and curves in  $\mathbb{P}^3$  (not available)

Robin Harshorne  
Univ. of California, Berkeley.