

LIST OF TALKS  
EACA 2006, Seville 7-9/09/2006 (Spain)

Num.	Authors	Title of the talk
	A. Campillo (Plenary Lecture)	Computing equipolygonal strata
	Th. Coquand (Plenary Lecture)	A logical approach to abstract algebra
	J. Rubio (Plenary Lecture)	Symbolic computation systems as software systems
	N. Takayama (Plenary Lecture)	The Buchberger algorithm in the ring of differential operators and its applications
	M. Van der Put (Plenary Lecture)	Searching symbolic solutions for differential equations
1	J.G. Alcázar, J. R. Sendra, Josef Schicho	Shape of Level Curves of Algebraic Surfaces: Determination and Some Applications
2	V. Álvarez, J. A. Armario, M.D. Frau, P. Real	Un sistema de ecuaciones describiendo el conjunto de matrices cocíclicas sobre un grupo
3	V. Álvarez, J. A. Armario, M.D. Frau, P. Real	Método de la reducción homológica para la construcción de matrices cocíclicas de Hadamard
4	Mohamed Barakat, Daniel Robertz	homa1g: First steps to an abstract package for homological algebra
5	J. C. Benjumea, M Dolores Morales, Juan Núñez, Ángel F. Tenorio	The computation of the solvable Lie Algebra of $n \times n$ upper-triangular matrices
6	Ainhoa Berciano-Alcaraz	Symbolic Description of Hopf Algebras and Perturbation
7	N. Bergeron, M. Rosas, C. Reutenauer, M. Zabrocki	Noncommutative Coinvariants of the Symmetric Group
8	Isabel Bermejo, I. García-Marco	Checking if the toric ideal of an affine monomial curve is a complete intersection
9	Isabel Bermejo, Philippe Gimenez, Marcel Morales	Castelnuovo-Mumford regularity of projective monomial varieties of codimension two
10	Ricardo Biagioli, Sara Faridi, Mercedes Rosas	Ideals of Conjugacy Classes of Nilpotent Matrices
11	M. Borges-Quintana, M. A. Borges-Trenard, P. Fitzpatrick, E. Martínez-Moro	An algorithm for computing the Gröbner basis associated with a binary code
12	Emmanuel Briand	Diagonally symmetric polynomials of the roots of some systems of equations

Num.	Authors	Title of the talk
13	O. Broche Cristo, A. Konovalov, A. Olivieri, G. Olteanu, A. del Río	wedderga: Wedderburn decomposition of group algebras
14	F. J. Calderón-Moreno, L. Narváez-Macarro	Computation of intersection D-modules
15	L.M. Camacho, J.R. Gómez, B.A. Omirov	<i>Mathematica</i> and 5-dimensional nilpotent Leibniz algebras
16	F. Carreras, L. González-Vega, Jaime Puig-Pey	Using symbolic and numerical techniques for solving the offset sectioning problem
17	Fabrizio Caruso	(Some) Algorithms in Real Algebraic Geometry
18	Marc Chardin	Implicitization using approximation complexes
19	Gema M Díaz-Toca	On generalizing the Moore-Penrose inverse matrix
20	Marc Dohm	Implicitation of rational ruled surfaces with $\mu$ -bases
21	R.M. Falcón Ganfornina	Decomposition of principal autotopisms into triples of a Latin square
22	M. Ángeles Gómez Molleda	Polinomios pares con grupo $C_2 \wr S_m$ : construcción y frecuencia
23	R. González-Díaz, B. Medrano Garfia, P. Real Jurado	Simplicial Perturbation Techniques and Effective Homology
24	T. González, M. Llabrés, J. Rocha, F. Roselló, G. Valiente	Algebraic distances for phylogenetic trees
25	L. González-Vega, Bert Jüttler, Claudiu Tănăsescu	Computing the intersection curve between two quadratic triangular patches
26	Manuel A. Insua, Manuel Ladra	Bases de Gröbner en álgebras envolventes universales de álgebras de Leibniz
27	Laureano Lambán, Diego Sotés	Reutilización de Demostraciones. Aplicación al Algoritmo de Hindley
28	Stéphane Launois	Generators of $H$ -primes in quantum matrices
29	T. H. Lenagan	Quantum algebras
30	Viktor Levandovskyy	Elimination in non-commutative $G$ -algebras and Applications to $D$ -modules
31	A. López Rosado, M. Pilar Vélez, Cristina Moriano Sánchez	Aplicación de los polinomios de Chebyshev al procesamiento rápido de las ecuaciones de la dinámica vehicular
32	Montserrat Manubens, Antonio Montes	New results on DisPGB 4.1

Num.	Authors	Title of the talk
33	Ignacio Ojeda M. de Castilla	La Geometría Algebraica de los Campos Aleatorios de Markov
34	Ana Romero	Effective Homology of Free Simplicial Abelian Groups: the Acyclic Case
35	J.C. Rosales, J.M. Urbano-Blanco	Modular representations of numerical semigroups
36	Diego Ruano	Generalized Toric Codes
37	Sonia L. Rueda	Graded components of Laurent polynomial rings: a computational approach
38	Eduardo Sáenz de Cabezón	Recursion Trees of Monomial Ideals
39	Andrés Sáez-Schwedt	Effective methods in linear systems over rings
40	J. Santiago Jorge, Víctor M. Gulías, José L. Freire	Un programa funcional certificado y eficiente para el cálculo de Bases de Groebner
41	Indranath Sengupta	Betti Numbers of Certain Affine Monomial Curves
42	Michael Soltys	The proof theoretic strength of the Steinitz Exchange Theorem
43	Luis Felipe Tabera	Constructive proof of extended Kapranov theorem
44	S. Tajima, Y. Nakamura	Annihilating ideals for an algebraic local cohomology class