LIST OF TALKS

Monday, May 28th

MORNING SESSION

Chairman: A. Białynicki-Birula

A. R. Magid, *The Picard-Vessiot closure in differential Galois theory.*

F. Ulmer, *A formula for Liouvillian solutions of third order equations.*

D. Bertrand, *Blended extensions and differential Galois groups.*

AFTERNOON SESSION

Chairman: B. H. Matzat

M. Knebusch, *An existence theorem for systems of implicit differential equations.*

M. Tressl, *A structure theorem for differential algebras.*

P. Kowalski, *The socle property for differential algebraic groups.*

O. Cormier, *On liouvillian solutions of linear differential equations of order 4 and 5.*

Tuesday, May 29th

MORNING SESSION

Chairman: M. Knebusch

F. Beukers, *Algebraic solutions of the Lamé equation.*

B. Malgrange, *Non-linear differential Galois theory.*

J.-P. Ramis, *Galoisian obstructions to integrability of Hamiltonian systems.*

AFTERNOON SESSION

Chairman: J.-P. Ramis

J. J. Morales, *The Poincaré-Arnold-Melnikov integral and the Picard-Vessiot theory.*

L. Stolovitch, *Cartan type algebras of singular holomorphic vector fields.*

A. J. Maciejewski, *Non-integrablity of certain mechanical systems—applications of Morales-Ramis theory.*

D. Boucher, *Some methods of non-integrability of hamiltonian systems.*

Wednesday, May 30th

MORNING SESSION

Chairman: A. Pillay

A. Macintyre, *On the model theory of Frobenius on Witt vectors.*

E. Hrushovski, *Logical approaches to differential equations in large positive characteristic.*

M. F. Singer, *Algebraic curves via linear differential equations.*

J. Hartmann, *Invariants and differential Galois groups of fourth order differential equations.*

Thursday, May 31st

MORNING SESSION

Chairman: A. A. Bolibruch

A. Pillay, *Differential algebraic groups and the Tannakian treatment of the Picard-Vessiot theory.*

Z. Chatzidakis, *Some examples of difference Galois groups.*

D. Schlomiuk, *Some algebro-geometric/differential-algebraic aspects of planar polynomial vector fields.*

AFTERNOON SESSION

Chairman: S. Zarzuela

E. Compoint and J.-A. Weil, *Absolute factorisation of differential operators.*

P. Bayer, *Uniformization of certain Shimura curves.*

A. Nowicki, *Rings of constants of polynomial derivations.*

P. Wiśniewski, *The Lasker-Noether theorem for skew derivations.*

Friday, June 1st

MORNING SESSION

Chairman: A. Tyc

B. H. Matzat, *Differential Galois theory in positive characteristic.*

A. A. Bolibruch, *Inverse monodromy problems and isomonodromic deformations.*

H. Żołądek, *Picard-Vessiot extensions and elementary functions.*

AFTERNOON SESSION

Chairman: M. F. Singer

S. Zarzuela, *Local cohomology and $\mathcal{D}$-modules.*

P. Goldstein, *Kovacic vs. Painlevé—L. Bianchi's IX cosmological model.*