



International Conference on Algebra and Algebraic Geometry

in honour of Shreeram S. Abhyankar's 80th birthday

Pune, India, December 17-22, 2010

SCHEDULE

Venue: Lecture Hall Complex, Near Dept. of Mathematics, University of Pune

Friday, December 17, 2010

8.30 AM – 9.00 AM Registration

9.00 AM – 10.00 AM Inauguration

10.00 AM – 10.45 AM Tea/Coffee and Refreshments

CHAIR: M. S. Narasimhan, IISc and TIFR-CAM, Bangalore

10.45 AM – 11.15 AM **Shreedhar S. Abhyankar**, Pune
Shreeram and his mathematical world

11.30 AM – 12.00 PM **Chintaman B. Gokhale**, Mumbai
Ganitacharya Abhyankar: My friend

12.00 PM – 12.30 PM Tea/Coffee

12.30 PM – 1.00 PM **J. C. Price**, University of Arkansas, Fort Smith, USA
*On extending Abhyankar's Two Point Lemma
to positive weights*

Saturday, December 18, 2010

9.00 AM – 9.15 AM Tea/Coffee

CHAIR: Balwant Singh, IIT Bombay and CBS, Mumbai

9.15 AM – 9.45 AM **Chandrajit Bajaj**, University of Texas, Austin, USA
Solubility by radicals and monodromy of Riemann surfaces

10.00 AM – 10.30 AM **Vincent Cossart**, Université de Versailles, France
Desingularization in dimension Three: Reduction to Artin-Schreier case

10.30 AM – 11.00 AM Tea/Coffee and Refreshments

11.00 AM – 11.30 AM **S. D. Cutkosky**, University of Missouri, Columbus, USA
Semigroups of valuations on local rings

11.45 AM – 12.15 PM **R. V. Martins**, ICEx-UFMG, Belo Horizonte, Brazil
Generalization of Max Noether's Theorem

12.30 PM – 1.00 PM **L. Makar-Limanov**, Wayne State Univ., Detroit, USA
On a property of a Jacobian mate

Sunday, December 19, 2010

6.00 PM – 10.00 PM **Banquet**, at Hotel Rajwada, Baner, Pune

Monday, December 20, 2010

9.00 AM – 9.15 AM Tea/Coffee

CHAIR: Dilip P. Patil, Indian Institute of Science, Bangalore

9.15 AM – 9.45 AM **T. E. Venkata Balaji**, IIT Madras, Chennai
Classifying quaternion algebras

10.15 AM – 10.45 AM **E. Artal-Bartolo**, Universidad de Zaragoza, Spain
Fields of definition for plane algebraic curves

Monday, December 20, 2010 (Contd.)

10.45 AM – 11.15 AM Tea/Coffee and Refreshments

11.15 AM – 11.45 AM **Pierrette Cassou-Nogues**, Université Bordeaux, France
Newton trees for ideals in $C[[x,y]]$

12.15 AM – 12.45 PM **I. Luengo**, Universidad Complutense de Madrid, Spain
The plane jacobian conjecture

Tuesday, December 21, 2010

9.00 AM – 9.15 AM Tea/Coffee

CHAIR: B. N. Waphare, University of Pune

9.15 AM – 9.45 AM **Vijay Chandru**, Strand Life Sciences, Bangalore
Fourier elimination and proofs in linear programming

10.00 AM – 10.30 AM **Kwai-Man Fan**, National Chung Cheng Univ., Taiwan
On arrangement of complex hyperplanes whose fundamental group is a direct sum of free groups

10.30 AM – 11.00 AM Tea/Coffee and Refreshments

11.00 AM – 11.30 AM **Paul Loomis**, Bloomsburg University, USA
A few results on sums of cubes

11.45 AM – 12.15 PM **S. M. Bhatwadekar**, TIFR, Mumbai
Generalized epimorphism theorem

12.30 PM – 1.00 PM **Phillipe Cassou-Nogues**, Université Bordeaux, France
Invariants of quadratic forms in algebra and geometry

Wednesday, December 22, 2010

9.00 AM – 9.15 AM Tea/Coffee

CHAIR: S. M. Bhatwadekar, Tata Institute of Fundamental Research, Mumbai

9.15 AM – 10.15 AM **Devadatta-Shatri Patil**, Pune
Bhaskaracharya's Lilawati

10.15 AM – 11.00 AM Tea/Coffee and Refreshments

11.00 AM – 11.30 AM **Pradeepkumar H. Keskar**, BITS, Pilani
Multiplication : From Thales to Lie

12.00 PM – 12.30 PM **Narendra Karmarkar**, Pune
Geometric methods for non-convex optimization

Organised by: Department of Mathematics, University of Pune
in collaboration with Bhaskaracharya Pratishthana, Pune

Sponsor: National Board for Higher Mathematics, DAE, Govt. of India
and the University of Pune

Programme Committee	Local Organising Committee
S.R. Ghorpade (Chair)	B.N. Waphare (Chair)
S.A. Katre	S.R. Ghorpade
D.L. Shannon	S.G. Joshi
J.K. Verma	V.V. Joshi
B.N. Waphare	S.A. Katre
	S.D. Kendre
	M.M. Shikare