

RIMS Kôkyûroku Bessatsu B2

**Algebraic, Analytic and Geometric
Aspects of Complex Differential
Equations and their Deformations.
Painlevé Hierarchies**

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Research Institute for Mathematical Sciences
Kyoto University

RIMS Kôkyûroku Bessatsu B2

*Algebraic, Analytic and Geometric Aspects
of Complex Differential Equations and
their Deformations. Painlevé Hierarchies*

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Research Institute for Mathematical Sciences

Kyoto University, Kyoto, Japan

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PREFACE

This volume of RIMS Kôkyûroku Bessatsu is the Proceedings of the Conference

**“Algebraic, Analytic and Geometric Aspects of Complex
Differential Equations and their Deformations.
Painlevé Hierarchies”**

which was held at RIMS (Research Institute for Mathematical Sciences), Kyoto University from May 15 (Monday) through May 20 (Saturday) in 2006. At the Conference there were 22 lectures and 7 presentations in poster sessions (see the “List of Participants” for their list): It is my great pleasure that the volume collects 19 contributions from these speakers and presenters of posters and, in addition, contains a paper of Dr. Guy Casale, whose lecture originally planned in the program was unfortunately canceled just before the Conference started.

The Conference was organized as the main activity of the Japan-France Research Cooperative Program sponsored by JSPS and CNRS. It was supported also by the “Galois” Project of the French ANR, RIMS, and Kyoto University 21st Century COE Program. Taking this opportunity, I would like to express my sincere gratitude to all these sponsors and, in particular, to the staffs of RIMS; the Conference would not be so successful without their kind assistance.

The Painlevé equation, one of the main subjects of the Conference, was born in France and has been developed also in Japan through the exchange between France and Japan since the late 1970’s. I wish everlasting interplay between these two countries may produce many fruitful results also in the future.

Kyoto in February, 2007

Yoshitsugu TAKEI
(Organizer in chief)
RIMS, Kyoto University



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LIST OF PARTICIPANTS

(A person marked with * is a member of Scientific Committee and/or Organizers.)

Speakers

ANDRÉ, Yves (École Normale Supérieure)
BOALCH, Philip (École Normale Supérieure)
BRUNELLA, Marco (Institut de Mathématiques de Bourgogne, Dijon)
CONTE, Robert (CEA Saclay)*
GUZZETTI, Davide (RIMS, Kyoto University)
HONDA, Naofumi (Hokkaido University)
IWASAKI, Katsunori (Kyushu University)*
KAJIWARA, Kenji (Kyushu University)
KOIKE, Tatsuya (Kyoto University)*
LORAY, Frank (Université de Rennes)*
MALGRANGE, Bernard (Université Joseph Fourier, Grenoble)*
MASUDA, Tetsu (Kobe university)
MORIMOTO, Tohru (Nara Women's University)
OHYAMA, Yousuke (Osaka University)
SAKAI, Hidetaka (University of Tokyo)
SAULOY, Jacques (Université Paul Sabatier, Toulouse)
SAUZIN, David (Institut de Mécanique Céleste, Paris)
SCHÄFKE, Reinhard (IRMA, Université Louis Pasteur, Strasbourg)*
SHIMOMURA, Shun (Keio University)*
TAKEI, Yoshitsugu (RIMS, Kyoto University)*
TSUDA, Teruhisa (Kobe university)
YAMADA, Yasuhiko (Kobe university)

Presenters in poster sessions

AJISAKA, Shigeru (Waseda University)
KANEKO, Kazuo (Osaka University)
OKUMURA, Shoji (Osaka University)
PAUL, Emmanuel (Université Paul Sabatier, Toulouse)
SASAKI, Yoshikatsu (Kyushu University)
SUZUKI, Takao (Kobe University)
YOSHINO, Masafumi (Hiroshima University)

Other participants

ADACHI, Shingo (Kyoto University)
AOKI, Takashi (Kinki University)*
CANALIS-DURAND, Mireille (Université Paul Cézanne, Aix-Marseille)
FILIPUK, Galina (Kumamoto University)
FIOROT, Luisa (Università degli Studi di Padova)
FUJITA, Keiko (Saga University)
GRANIER, Anne (Université Paul Sabatier, Toulouse)
HARAOKA, Yoshishige (Kumamoto University)
ICHINOSE, Takashi (Kanazawa University)
INABA, Michiaki (Kyoto University)
ITO, Hidekazu (Kanazawa University)
ITO, Yoshifumi (Tokushima University)
JIMBO, Michio (University of Tokyo)*
KAKEHI, Saburo (Rikkyo University)
KANEKO, Akira (Ochanomizu Women's University)
KAWAI, Shingo (Tokyo Institute of Technology)
KAWAI, Takahiro (RIMS, Kyoto University)*
KAWAMUKO, Hiroyuki (Mie University)
KIMURA, Hironobu (Kumamoto University)
KOBAYASHI, Takao (Tokyo University of Science)
KOKUBU, Hiroshi (Kyoto University)
LODAY-RICHAUD, Michèle (Université d'Angers)
MANO, Toshiyuki (Kyoto University)
MARUYAMA, Fumitsuna (Toyo University)
MATSUDA, Kazuhide (Osaka University)
MATSUMIYA, Atsushi (Akashi National College of Technology)
MITSCHI, Claude (IRMA, Université Louis Pasteur, Strasbourg)
MIYAMOTO, Tadashi (Keio University)
MORIKAWA, Shuji (Nagoya University)
NAKANO, Minoru (Keio University)
NOUMI, Masatoshi (Kobe University)*
OHYA, Yujiro (Kyoto University)
RAMIS, Jean-Pierre (Université Paul Sabatier, Toulouse)*
SAHADEVAN, Ramajayam (Madras University)
SAITO, Kyoji (RIMS, Kyoto University)
SAITO, Masa-Hiko (Kobe university)
SAITOH, Ikuo (Future University - Hakodate)
SUGAWA, Toshiyuki (Hiroshima University)

SUZUKI, Norio (Kitami Institute of Technology)
TAJIMA, Shinichi (Niigata University)
TAKANO, Kyoichi (Kobe University)*
TERASHIMA, Hitomi (RIMS, Kyoto University)
TODA, Kouichi (Toyama Prefectural University)
TSUJIMOTO, Satoshi (Kyoto University)
UCHIDA, Motoo (Osaka University)
UEHARA, Takato (Kyushu University)
UMEMURA, Hiroshi (Nagoya University)*
USHIKI, Shigehiro (Kyoto University)
VALÈRE, Liane (Université Joseph Fourier, Grenoble)
WAKAKO, Hideaki (RIMS, Kyoto University)
WATANABE, Takanobu (Kyoto University)
YAMANE, Hideshi (Kwansei Gakuin University)