RIMS Kôkyûroku Bessatsu B2

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

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February, 2007

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"

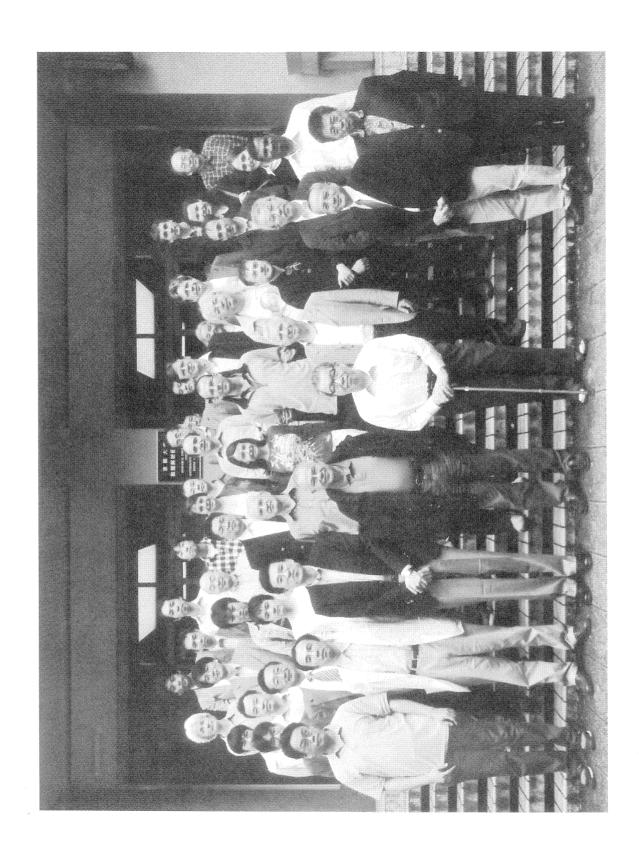
which was held at RIMS (Research Institute for Mathematical Sciences), Kyoto University from May 15 (Monday) through May 20 (Saturday) in 2006. At the Conference there were 22 lectures and 7 presentations in poster sessions (see the "List of Participants" for their list): It is my great pleasure that 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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