

数理解析研究所講究録 1424

Recent Trends in Exponential Asymptotics

京都大学数理解析研究所

2005年4月

Preface

This is the collection of the reports of talks given in the symposium "Recent Trends in Exponential Asymptotics", which was held at RIMS (Research Institute for Mathematical Sciences), Kyoto University from June 28 (Monday) through July 2 (Friday) in 2004. The volume consists of two parts: the first part is the report of expository lectures on exponential asymptotics, the main subject of the symposium, delivered by Dr. C. J. Howls, and the second part is the collection of research papers, announcements, surveys, etc. related to the other talks given there. I sincerely thank all the speakers for their interesting talks and contributions to this volume.

The symposium is organized as one of the activities of the RIMS project research in 2004 "Method of Algebraic Analysis in Integrable Systems" and supported also by the 21st Century COE Program "Formation of an International Center of Excellence in the Frontiers of Mathematics and Fostering of Researchers in Future Generations". Taking this opportunity, I would like to express my gratitude to RIMS and the organizers of these programs, especially to Prof. T. Miwa, the chief organizer of the RIMS project research.

Kyoto in March, 2005

Yoshitsugu TAKEI

Recent Trends in Exponential Asymptotics

研究集会報告集

2004年6月28日～7月2日

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目 次

Part I : Expository lectures on exponential asymptotics

1. When is a Stokes Line not a Stokes Line ?
I. The Higher Order Stokes Phenomenon ----- 1
Univ. of Southampton C. J. Howls
2. When is a Stokes Line not a Stokes Line ?
II. Examples involving differential equations ----- 17
Univ. of Southampton C. J. Howls
3. When is a Stokes Line not a Stokes Line ?
III. Real Consequences of the Higher Order Stokes Phenomenon ----- 35
Univ. of Southampton C. J. Howls

Part II : Research papers, announcements, surveys, etc.

1. A background story and some know-how of virtual turning points ----- 53
近大・理工 青木 貴史(Takashi Aoki)
京大・数理研 河合 隆裕(Takahiro Kawai)
京大・理学 小池 達也(Tatsuya Koike)
京大・数理研 佐々木 俊介(Shunsuke Sasaki)
都立大・理学 首藤 啓(Akira Shudo)
京大・数理研 竹井 義次(Yoshitsugu Takei)
2. Quantum Mechanics Based on Non-Hermitian Hamiltonians ----- 64
Washington Univ., St. Louis Carl M. Bender
3. SINGULARITY BARRIERS AND BOREL PLANE ANALYTIC PROPERTIES
OF 1^+ DIFFERENCE EQUATIONS ----- 78
Rutgers Univ. O. Costin
4. Deformation of the Schrödinger equation and exact asymptotic analysis ----- 86
Univ. d'Angers Eric Delabaere
// Jean-Marc Rasoamanana

5.	Aspects of the ODE / IM correspondence -----	103
	Univ. of Durham	Patrick Dorey
	Univ. of Queensland	Clare Dunning
	Univ. di Torino	Roberto Tateo
6.	Exact WKB solutions at a regular singular point for 2×2 systems -----	118
	東北大・理学	藤家 雪朗(Setsuro Fujiié)
7.	Borel Summability of Divergent Solutions for Singular 1st Order Linear PDEs of Nilpotent Type -----	128
	名城大・理工	日比野 正樹(Masaki Hibino)
8.	On the Structure of integral kernel for the Borel sum -----	142
	名大・多元数理科学	市延 邦夫(Kunio Ichinobe)
9.	ASYMPTOTICS FOR EXTENDED CELLULAR AUTOMATA -----	156
	Univ. of Sydney	N. Joshi
1 0.	On the exact WKB analysis for the fourth Painlevé hierarchy -----	160
	京大・理学	小池 達也(Tatsuya Koike)
	日立製作所	西川 享宏(Yukihiko Nishikawa)
1 1.	LEVEL ONE HYPERASYMPTOTICS FOR THE FIRST PAINLEVÉ EQUATION -----	170
	Univ. of Edinburgh	A. B. Olde Daalhuis
1 2.	ON SECOND ORDER NONLINEAR DIFFERENTIAL EQUATIONS WITH THE QUASI-PAINLEVÉ PROPERTY II -----	177
	慶應大・理工	下村 俊(Shun Shimomura)
1 3.	Stokes geometry for the quantized Hénon map -----	184
	都立大・理学	首藤 啓(Akira Shudo)
1 4.	An application of the Bethe ansatz method to certain classes of ODE -----	200
	静岡大・理	鈴木 淳史(Junji Suzuki)
1 5.	The general 1D Schrödinger equation as an exactly solvable problem -----	214
	CEA Saclay	André Voros
1 6.	WKB ANALYSIS AND POINCARÉ'S THEOREM -----	232
	広島大・理学	吉野 正史(Masafumi Yoshino)
1 7.	The method of Hill determinants in PT-symmetric quantum mechanics -----	240
	Nuclear Physics Inst., CR	Miloslav Znojil