

Contents

Part I Heidelberg Lecture Notes

1	Heidelberg Lectures on Coleman Integration	3
	Amnon Besser	
2	Heidelberg Lectures on Fundamental Groups	53
	Tamás Szamuely	

Part II The Arithmetic of Fundamental Groups

3	Vector Bundles Trivialized by Proper Morphisms and the Fundamental Group Scheme, II	77
	Indranil Biswas and João Pedro P. dos Santos	
4	Note on the Gonality of Abstract Modular Curves	89
	Anna Cadoret	
5	The Motivic Logarithm for Curves	107
	Gerd Faltings	
6	On a Motivic Method in Diophantine Geometry	127
	Majid Hadian	
7	Descent Obstruction and Fundamental Exact Sequence	147
	David Harari and Jakob Stix	
8	On Monodromically Full Points of Configuration Spaces of Hyperbolic Curves	167
	Yuichiro Hoshi	
9	Tempered Fundamental Group and Graph of the Stable Reduction	209
	Emmanuel Lepage	

10	$\mathbb{Z}/\ell$ Abelian-by-Central Galois Theory of Prime Divisors	225
	Florian Pop	
11	On ℓ-adic Pro-algebraic and Relative Pro-ℓ Fundamental Groups . . .	245
	Jonathan P. Pridham	
12	On 3-Nilpotent Obstructions to π_1 Sections for $\mathbb{P}^1_{\mathbb{Q}} - \{0, 1, \infty\}$	281
	Kirsten Wickelgren	
13	Une remarque sur les courbes de Reichardt–Lind et de Schinzel	329
	Olivier Wittenberg	
14	On ℓ-adic Iterated Integrals V : Linear Independence, Properties of ℓ-adic Polylogarithms, ℓ-adic Sheaves	339
	Zdzisław Wojtkowiak	
	Workshop Talks	375