

CONTENTSPART ONE: MEROMORPHIC CURVESCHAPTER I - G-ADIC EXPANSION AND APPROXIMATE ROOTS

§ 1. Strict linear combinations	...	1
§ 2. G-adic expansion of a polynomial	...	5
§ 3. Tschirnhausen operator	...	10
§ 4. Approximate roots	...	14

CHAPTER II - CHARACTERISTIC SEQUENCES OF A MEROMORPHIC CURVE

§ 5. Newton-Puiseux expansion	...	17
§ 6. Characteristic sequences	...	28

CHAPTER III - THE FUNDAMENTAL THEOREM

§ 7. The Main Lemmas	...	42
§ 8. The Fundamental Theorem	...	58

CHAPTER IV - APPLICATIONS OF THE FUNDAMENTAL THEOREM

§ 9. Epimorphism Theorem	...	66
§10. Automorphism Theorem	...	79
§11. Affine curves with one place at infinity	...	81

CHAPTER V - IRREDUCIBILITY, NEWTON'S POLYGON

§12. Irreducibility Criterion	...	98
§13. Irreducibility of the approximate roots	...	102
§14. Newton's algebraic polygon	...	111

PART TWO: THE JACOBIAN PROBLEMCHAPTER VI - THE JACOBIAN PROBLEM

§ 15. Statement of the problem	...	117
§ 16. Notation	...	119
§ 17. w-relation	...	120
§ 18. Structure of the w-degree form	...	127
§ 19. Various equivalent formulations of the Jacobian problem		140
§ 20. Jacobian problem via Newton-Puiseux expansion	...	145
§ 21. Solution in the Galois case	...	162