

CONTENTS

Introduction,

List of notations and conventions,

- § 1 Conics, p. 1
- § 2 Complete conics, p. 3
- § 3 Systems of conics, p. 8
- § 4 Equations of the degeneration hypersurfaces, p. 11
- § 5 Conditions imposed on conics, p. 14
- § 6 Action of the projective group and proper solutions of an enumerative problem, p. 18
- § 7 Genericity of the data of conditions, p. 22
- § 8 Local characters of a condition, p. 23
- § 9 Halphen's first formula, p. 25
- § 10 Computation of characteristic numbers, p. 31
- § 11 Examples, p. 35
- § 12 Strict equivalence of conditions, p. 41
- § 13 Systems of conics contained in $S_{p,q}$, p. 45
- § 14 Conics satisfying five independent conditions, p. 48
- § 15 Cycles on W and on B , p. 56
- § 16 Multiplicity cycles and Noether's formula, p. 61
- § 17 Improper intersection numbers, p. 67
- § 18 Generalization of Halphen's formula to conditions of higher order, p. 74
- § 19 Examples of higher order conditions, p. 80
- § 20 Strict equivalence of conditions, p. 92
- § 21 Enumerative ring of W , p. 99
- § 22 Computation of products in $\text{Hal}^*(W)$, p. 108
- § 23 Further examples, p. 117

References, p. 126

Index of terms, p. 129

Index of symbols, p. 130