

## TABLE OF CONTENTS

215. Algebraic Invariants, [186] . . . . .	11
216. Simplicity of the Abelian group on two pairs of indices in the Galois field of order $2^n$ , $n > 1$ , [34] . . . . .	119
217. A class of linear groups including the Abelian group, [35] . . .	120
218. The abstract form of the special linear homogeneous group in an arbitrary field, [131] . . . . .	127
219. The abstract form of the Abelian linear groups, [132] . . . . .	131
220. A class of groups in an arbitrary realm connected with the configuration of the 27 lines on a cubic surface [Second paper], [149] . . . . .	145
221. Note on modular invariants, [176] . . . . .	150
222. Les polynomes égaux à des déterminants, [213] . . . . .	154
223. La composition des polynomes, [224] . . . . .	157
224. The largest linear homogeneous groups with an invariant Pfaffian, [26] . . . . .	163
225. The known finite simple groups, [27] . . . . .	168
226. On the groups defined for an arbitrary field by the multiplication tables of certain finite groups, [76] . . . . .	176
227. The abstract group simply isomorphic with the group of linear fractional transformations in a Galois field, [77] . . . .	190
228. Generational relations of an abstract simple group of order 4080, [78] . . . . .	204
229. Invariants of the general quadratic form modulo 2, [140] . . .	219
230. Modular invariants of a general system of linear forms, [162] . . . . .	244

## TABLE OF CONTENTS

231. Invariantive classification of pairs of conics modulo 2, [202] . . . . .	261
232. Definition of the Abelian, the two hypoabelian, and related linear groups of the groups of isomorphism of certain elementary groups, [39] . . . . .	266
233. Determination of all the subgroups of the known simple group of order 25920, [98] . . . . .	276
234. Definition of a group and a field by independent postulates, [109] . . . . .	318
235. On semi-groups and the general isomorphism between infinite groups, [110] . . . . .	325
236. On quadratic, Hermitian and bilinear forms, [124] . . . . .	329
237. Equivalence of pairs of bilinear or quadratic forms under rational transformation, [156] . . . . .	347
238. An invariantive investigation of irreducible binary modular forms, [171] . . . . .	363
239. A fundamental system of invariants of the general modular linear group with a solution of the form problem, [172] . . . . .	381
240. Invariants in the theory of numbers, [190] . . . . .	405
241. On the number of inscriptible regular polygons, [1] . . . . .	412
242. Three sets of generational relations defining the abstract simple group of order 504, [89] . . . . .	416
243. Generational relations defining the abstract simple group, of order 660, [90] . . . . .	426
244. The abstract group $G$ simply isomorphic with the alternating group on six letters, [91] . . . . .	429
245. Criteria for the irreducibility of functions in a finite field, [127] . . . . .	435
246. On the theory of equations in a modular field, [128] . . . . .	443
247. On binary modular groups and their invariants, [180] . . . . .	446
248. Geometrical and invariantive theory of quartic curves modulo 2, [201] . . . . .	451

249. A quadratic Cremona transformation defined by a conic, [6] . . . . .	470
250. Factors of a certain determinant of order six, [72] . . . . .	474
251. The order of a certain senary linear group, [73] . . . . .	477
252. Three algebraic notes, [93] . . . . .	481
253. Note on the volume of a tetrahedron in terms of the coordinates of the vertices, [139] . . . . .	490
254. Rational triangles and quadrilaterals, [220] . . . . .	492
255. The points of inflection of a plane cubic curve, [193] . . . . .	500
256. Reducible cubic forms expressible rationally as determinants, [221] . . . . .	518
257. A fundamental system of covariants of the ternary cubic form, [222] . . . . .	524
258. A new simple theory of hypercomplex integers, [238] . . . . .	531
259. Algèbres nouvelles de division, [244] . . . . .	578
260. Memoir on Abelian transformations, [101] . . . . .	583
261. Application of groups to a complex problem in arrangements, [104] . . . . .	661
262. Note on cubic equations and congruences, [175] . . . . .	675
263. A class of simply transitive linear groups, [68] . . . . .	680
264. Fields whose elements are linear differential expressions, [92] . . . . .	689
BIBLIOGRAPHY . . . . .	693
INDEX . . . . .	711