## TABLE OF CONTENTS

91.	Differential equations from the group standpoint, [242]	7
92.	On Waring's problem and its generalization, [300]	99
93.	The known systems of simple groups and their interisomorphisms, [64]	123
94.	The simplest model for illustrating the conic sections, [3]	128
95.	On the trisection of an angle and the construction of regular polygons of 7 and 9 sides, [191]	129
96.	Notes on the theory of numbers, [174]	133
	On the cyclotomic function, [117]	136
98.	Problems, [108]	140
99.	Generalizations of Waring's theorem on fourth, sixth, and eighth powers, [255]	143
100.	Additive number theory for all quadratic functions, [264]	153
101.	Minimum decompositions into <i>n</i> -th powers, [277]	201
102.	Two-fold generalizations of Cauchy's lemma, [283]	211
103.	Cyclotomy, higher congruences, and Waring's problem, [292] .	227
104.	Cyclotomy, higher congruences, and Waring's problem, II,	
	[293]	261
	Waring theorems of new type, [297]	273
106.	Proof of the ideal Waring theorem for exponents 7-180, $[298]$ .	281
107.	Solution of Waring's problem, [299]	290
108.	Universal Waring theorems, [303]	297
109.	The structure of the linear homogeneous groups defined by the	
	invariant , [36]	309

110.	The alternating group on eight letters and the quaternary linear congruence group modulo two, [63]	330
111.	The hyperorthogonal groups, [80]	337
	Universal Waring theorem for eleventh powers, [285]	391
	Arithmetic of quaternions, [223]	397
	The rational linear algebras of maximum and minimum ranks.	105
115	[237]	405
		426
110.	Recent progress in the theories of modular and formal invariants and in modular geometry, [204]	433
117.	Quaternions and their generalizations, [225]	437
	Quadratic forms which represent all integers, [248]	443
	Polygonal numbers and related Waring problems, [284]	447
	New Waring theorems for polygonal numbers, [307]	456
	Congruences involving only <i>e</i> -th powers, [290]	461
122.	Outline of the theory to date of the arithmetics of algebras, [266]	469
123.	Further development of the theory of arithmetics of algebras, [267]	477
124	A pour theory of linear transfer in the same state of the same sta	4//
127.	A new theory of linear transformations and pairs of bilinear forms, [268]	489
125.	On the minimum degree of resolvents for the <i>p</i> -section of the	407
	periods of hyperelliptic functions of four periods, [106]	493
126.	On the theory of numbers and generalized quaternions, [241] .	497
	Algebraic theory of the expressibility of cubic forms as	<b>.</b>
130	determinants, with application to Diophantine analysis, [219].	514
120.	On finite algebras, [123]	539
1	INDEX	r 77