CONTENTS

Preface	٧		
Introduction			
I. Representation of An Odd Number as the Sum of Three Prim			
 Some problems of 'partitio numerorum'; III: on the expression of a number as a sum of primes G.H. Hardy & J.E. Littlewood 	21		
 Representation of an odd number as a sum of three primes I.M. Vinogradov 	61		
3. A new proof of the Goldbach-Vinogradov theorem Ju. V. Linnik	65		
4. A new proof on the three primes theorem Pan Cheng Biao	72		
5. An elementary method in prime number theory $\it R.C.\ Vaughan$	81		
II. Representation of An Even Number as the Sum of Two Almost Primes (elementary approach)			
 The sieve of Eratosthenes and the theorem of Goldbach V. Brun 	93		
7. New improvements in the method of the sieve of Eratosthenes A.A. Buchstab	131		
8. On prime divisors of polynomials P. Kuhn	148		

	9.	On an elementary method in the theory of primes A. Selberg	151
	10.	On the representation of large even number as a sum of two almost primes Wang Yuan	155
III.		resentation of an Even Number as the Sum of a me and an Almost Prime	
	11.	On the representation of an even number as the sum of a prime and an almost prime A. $R\acute{e}ny\acute{\iota}$	163
	12.	On the representation of large integer as a sum of a prime and an almost prime Wang Yuan	170
	13.	On representation of even number as the sum of a prime and an almost prime Pan Cheng Dong	192
	14.	The "density" of the zeros of Dirichlet L-series and the problem of the sum of primes and "near primes" M.B. Barban	205
	15.	New results in the investigation of the Goldbach-Euler problem and the problem of prime pairs $A.A.\ Buchstab$	216
	16.	The density hypothesis for Dirichlet L-series A.I. Vinogradov	223
	17.	On the large sieve E. Bombieri	227
	18.	On the representation of a large even integer as the sum of a prime and the product of at most two primes Chen Jing Run	253

19. A	new mean value theorem and its applications Pan Cheng Dong	273
References	I	287
References	II	289