

Applications of Number Theory to Numerical Analysis contains the proceedings of the Symposium on Applications of Number Theory to Numerical Analysis, held in Quebec, Canada, on September 9-14, 1971, under the sponsorship of the University of Montreal's Center for Research in Mathematics. The symposium provided a forum for discussing number theory and its applications to numerical analysis, tackling topics ranging from methods used in estimating discrepancy to the structure of linear congruential sequences. Comprised of 17 chapters, this book begins by considering some combinatorial problems studied experimentally on computing machines. The discussion then turns to experiments on optimal coefficients; a distribution problem in finite sets; and the statistical interdependence of pseudo-random numbers generated by the linear congruential method. Subsequent chapters deal with lattice structure and reduced bases of random vectors generated by linear recurrences; modulo optimization problems and integer linear programming; equivalent forms of zero-one programs; and number theoretic foundations of finite precision arithmetic. This monograph will be of interest to students and practitioners in the field of applied mathematics.

Moshe Dayan (World Leaders Past and Present), Antologia poetica / Poetic Anthology (Spanish Edition), Primary and Secondary Preventive Nutrition (Nutrition and Health), Collettes Journey: Amish Historical Romance, The Subtlety of Sameness: A Theory and Computer Model of Analogy-Making,

Applications of number theory to numerical analysis, by Loo Keng Hua and Yuan Wang, Springer-Verlag, Berlin, Science Press, Beijing, , pp., \$

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Applications of number theory to numerical analysis. Front Cover. Loo Keng Hua, Luogeng Hua, Yuan Wang. Springer-Verlag, - Mathematics - pages. Applications of number theory to numerical analysis. Front Cover. Lo-keng Hua, Luogeng Hua, Yuan Wang. Springer-Verlag, - Mathematics - pages. In this article we explore a very interesting application of tools from numerical analysis to number theory. As the title suggests, we will see how one can use.

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