

Solomon W Golomb Shift Register Sequences

Wisdom Of Solomon, The: The Genius And Legacy Of Solomon Golomb
Topics in Finite Fields Shift Register Sequences: Secure And Limited-access Code Generators, Efficiency Code Generators, Prescribed Property Generators, Mathematical Models (Third Revised Edition) IEEE International Symposium on Information Theory Dr. Dobb's Journal of Software Tools for the Professional Programmer The Book Exchange Pacific Journal of Mathematics Congressus Numerantium Information Security and Privacy Journal Proceedings of MELECON ... Discrete Mathematical Structures and Their Applications Phase-locked Loops & Their Application Queueing Network Simulation by Emulation on a Simulation Computer Proceedings of MELECON '83, Mediterranean Electrotechnical Conference, Athens, Greece, 24-26 May, 1983 Proceedings The National Union Catalogs, 1963- Technical Report - Jet Propulsion Laboratory, California Institute of Technology Design and Scheduling of Statically Configured Pipelines UNIX Security Symposium IV Proceedings Beatrice A Golomb Gohar Kyureghyan Solomon W Golomb Institution of Electrical Engineers Harold S. Stone William C. Lindsey 'Asgeir Thor Eiriksson E. N. Protonotarios Jet Propulsion Laboratory (U.S.) L. E. Shar USENIX Association

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solomon wolf golomb left an unparalleled legacy of accomplishment and recognition for his work in the applications of mathematics to coding and communication theory his legacy also includes a host of individuals whose lives and careers were immeasurably enriched by their interactions with him the co editors have attempted to collect many articles essays in this volume of a not too technical sort by a representative collection of such individuals among their motivations is the wish to convince the reader of the incredibly

prescient choice of his given name the first section consists of three articles which have already appeared elsewhere by noted experts in the fields where the majority of sol's contributions lie mathematics computer science and electrical engineering the second section consists of three articles by the co editors in memory of and tribute to sol the third section contains 25-30 articles by sol's family friends students colleagues etc they cover a great range of topics and vary widely in length technicality and other aspects in the last section are contributions by sol himself covering various aspects of his career and interests as well as other related material

this volume contains the proceedings of the 11th international conference on finite fields and their applications fq11 held july 22-26 2013 in magdeburg germany finite fields are fundamental structures in mathematics they lead to interesting deep problems in number theory play a major role in combinatorics and finite geometry and have a vast amount of applications in computer science papers in this volume cover these aspects of finite fields as well as applications in coding theory and cryptography

shift register sequences cover a broad range of applications from radar signal design pseudo random number generation digital wireless telephony and many other areas in coded communications it is the primary area for which the author dr golomb received the us national medal of science this book is the third revised edition of the original definitive book on shift register sequences which was published in 1967 which has been widely distributed read and cited it has stood the test of time and provides a clear comprehensive and readily applicable description of both linear and non linear shift register sequences

melecon 1981 is a tribute paid by the institute of electrical and electronics engineers on the 150th anniversary of electrical engineering prof 1981

a pipeline is considered to be a collection of segments of hardware which can operate in parallel and each of which performs specified parts of a particular computation if the pattern of use for these segments is fixed for each computation and identical for all computations in the pipeline then the pipeline is said to be statically configured such pipelines are examined in this report a collision is said to occur if more than one computation attempts to use a segment at the same time a collision vector is determined for a given pipeline and when used with a specific shift register controller forms a collision avoidance system maximum throughput is achieved by using a cycle of initiations which provides the minimum average latency i.e time between successive initiations author

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