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Semester VII - Electronics Engineering

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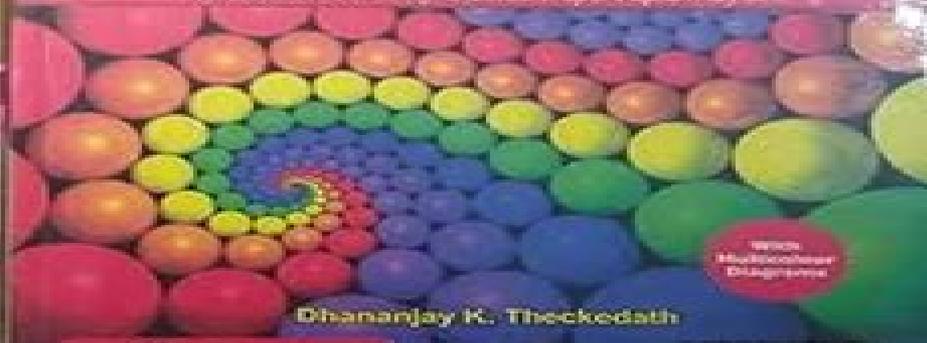
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Introduction to Parallel Processing Behrooz Parhami, 2014-01-15 [Parallel Processing in Control](#) Peter J. Fleming, 1988 **A Hierarchical, Partitionable, Knowledge Based Parallel Processing System** Nikitas A. Alexandridis, George Washington University. Institute for Information Science and Technology, 1989 **Programming Massively Parallel Processors** Wen-mei W. Hwu, David B. Kirk, Izzat El Hajj, Ph.D., 2022-08-15 **Programming Massively Parallel Processors A Hands on Approach** shows both student and professional alike the basic concepts of parallel programming and GPU architecture Various techniques for constructing parallel programs are explored in detail Case studies demonstrate the development process which begins with computational thinking and ends with effective and efficient parallel programs Topics of performance floating point format parallel patterns and dynamic parallelism are covered in depth For this new edition the authors are updating their coverage of CUDA including the concept of unified memory and expanding content in areas such as threads while still retaining its concise intuitive practical approach based on years of road testing in the authors own parallel computing courses Teaches computational thinking and problem solving techniques that facilitate high performance parallel computing Updated to utilize CUDA version 10.0 NVIDIA's software development tool created specifically for massively parallel environments Features new content on unified memory as well as expanded content on threads streams warp divergence and OpenMP Includes updated and new case studies **An Introduction to Distributed and Parallel Processing** John A. Sharp, 1987 [Algorithms and Applications in Parallel Computing](#) H. Power, 1999 Containing a selection of invited review chapters this book covers issues central to parallel computing algorithms features chapters on both general analysis and practical applications places particular emphasis on a variety of applications in engineering designed specifically to increase awareness of the potential of parallel computing amongst engineers and scientists **BOOK JACKET Aspects of Parallel Processing and Control Engineering** Brendan J. McKittrick, 1991 **DAP-TRAC** Torstein Opsahl, 1984 **INTRODUCTION TO PARALLEL PROCESSING** M. Sasikumar, Dinesh Shikhare, Ravi P. Prakash, 2014-09-02 Written with a straightforward and student centred approach this extensively revised updated and enlarged edition presents a thorough coverage of the various aspects of parallel processing including parallel processing architectures programmability issues data dependency analysis shared memory programming thread based implementation distributed computing algorithms parallel programming languages debugging parallelism paradigms distributed databases as well as distributed operating systems The book now in its second edition not only

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