

Francis T. S. Yu, Suganda Jutamulia

Frequency Domain Filtering Strategies for Hybrid Optical Information Processing Chris R. Chatwin, Ruikang K. Wang, 1996 Focuses on the development of optically implementable frequency domain algorithms that can be exploited to enhance the performance of optical information processing systems. The algorithms are designed to be adaptable for situations with very different requirements such as industrial inspection and military targeting Addressed to researchers builders of industrial and military systems. Annotation copyright by Book News Inc Portland OR Frequency Domain Filtering Strategies for Hybrid Optical Information Processing Chris R. Chatwin, Ruikang K. Wang, 1996 The book focuses attention on the development of optically implementable frequency domain algorithms that may be exploited to enhance the performance of optical information processing systems. The objective of filtering is to overcome limitations in performance that are generated by problems relating to input image distortion noise clutter discrimination object localisation accuracy multi class recognition and optical efficiency. The methods and architectures reported will be of great interest to researchers and industrial companies building systems for industrial inspection security and surveillance military acquisition and tracking

Frequency Domain Filtering Strategies for Hybrid Optical Information Processing Ruikang K. Wang, 1995 **Optical Pattern Recognition** Francis T. S. Yu, Suganda Jutamulia, 1998-06-28 A comprehensive review of optical pattern recognition techniques and implementations for graduate students and researchers Optical Engineering ,1998 Publishes papers reporting on research and development in optical science and engineering and the practical applications of known Guoquang Mu, Guofan Jin, Jiabi Chen, Glenn T. Sincerbox, Anzhi He, Dahsiung Hsu, Zhongguo guang xue xue hui, Society of Photo-optical Instrumentation Engineers, 1996 **Information Processing and Network Provisioning Michel** Kadoch, Mohamed Cheriet, Xuesong Qiu, 2025-06-04 The four volume set CCIS 2416 2417 2418 2419 constitutes the refereed post conference proceedings of the Third International Conference on Information Processing and Network Provisioning ICIPNP 2024 Spring held in Beijing China during June 14 16 2024 The 152 revised full papers presented in these proceedings were carefully reviewed and selected from 347 submissions They focus on topics ranging from 5G 6G evolution and AI in network optimization to quantum communication and green computing Index to Theses with Abstracts Accepted for Higher Degrees by the Universities of Great Britain and Ireland and the Council for National Academic Awards, 2008 Theses on any subject submitted by the academic libraries in the UK and Ireland American Book Publishing Record ,1996-05

Applied Optics and Optical Engineering V6 Rudolf Kingslake,2012-12-02 Applied Optics and Optical Engineering Volume VI is an 11 chapter text that covers the principles and design of some optical devices and systems The first three chapters deal with the principles mode of operation and application of several types of lasers such as solid state gas and semiconductor diode lasers These topics are followed by the presentation of the physics and engineering of acousto optic

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