Dieci Magnitudo

This volume makes available for the first time the complete works of the important monastic theologian, Gilbert Crispin, friend and pupil of Sr. Anselm and abbott of Westminster from 1085, and includes a completely revised edition of his influential Disputatio Iudei et Christiani.

Vol. 1: This is the first in a six volume compendium on the correspondences of John Wallis (1616-1703). Wallis was Savilian Professor of Geometry at Oxford from 1649 until his death, and was a founding member of the Royal Society and a central figure in the scientific and intellectual history of England.

Proceedings of the European Control Conference 1991, July 2-5, 1991, Grenoble, France

Dieci magnitudoBallistica et acontismologiaUniversae geometriae ... synopsis, etcV. Trincavellii Controversiarum medicinalium practicarum libri quinque ... Opus posthumum ... nunc primum publici juris factum. [Edited by J. Munsterus.]European Control Conference 1991Volume 3European Control Association

Significant changes have occurred in materials science, including increasing demands on life extensions, and the reliability and exploitability of components, materials, and structures. These changes provide smart technologies with excellent application

opportunities in aerospace, civil and electrical engineering, transportation, manufacturing, communications, defense, and medicine. Smart Materials and Structures presents an overview of current developments in the characterization and applications of materials and actuators, issues surrounding their control, and the integration of smart systems and technologies. This compendium provides a valuable synopsis of this rapidly expanding and topical research field for engineers, program managers, technologists, physicists, materials scientists, and mathematicians working to advance smart materials, research methods, their applications, and robotic technologies.

A student-friendly introduction to Latin Learning Latin can prove daunting even to the brightest students. But this innovative text draws students into the story of Rome and lets Virgil and Livy lead the way in learning declensions and conjugations. Latin Alive and Well is a classroom-tested textbook consisting of 36 units. It is designed for both high school and university classes, in both two-semester courses and intensive one-semester courses. Clear and direct, it avoids lengthy explanations in teaching grammar, instead introducing modern students to this venerable language by focusing on exercises and translations that make fine points of grammar more readily understandable. P. L. Chambers presents essential elements of grammar in a way that enables students to read classical authors immediately, introducing them to a passage from Virgil as early as the fifth chapter. In addition to using selected readings in Roman

mythology, history, and philosophy to illustrate grammatical points, she has adopted an informal, encouraging tone, with a healthy dose of humor when appropriate. Latin Alive and Well is written so simply that students with no previous exposure to a foreign language can understand and learn the grammatical concepts. Previously available only in privately published editions, it has been used nationwide.

Confusing Textbooks? Missed Lectures? Not Enough Time? Fortunately for you, there's Schaum's Outlines. More than 40 million students have trusted Schaum's to help them succeed in the classroom and on exams. Schaum's is the key to faster learning and higher grades in every subject. Each Outline presents all the essential course information in an easy-to-follow, topic-by-topic format. You also get hundreds of examples, solved problems, and practice exercises to test your skills. This Schaum's Outline gives you Practice problems with full explanations that reinforce knowledge Coverage of the most up-to-date developments in your course field In-depth review of practices and applications Fully compatible with your classroom text, Schaum's highlights all the important facts you need to know. Use Schaum's to shorten your study time-and get your best test scores! Schaum's Outlines-Problem Solved.

Scalar diffraction from a circular aperture is a ubiquitous problem that arises in a variety of disciplines, such as optics (lenses), acoustics (speakers),

electromagnetics (dish antennas), and ultrasonics (piston transducers). The problem endures despite centuries of research because each new generation of researchers rediscovers it and adds some novel insight or new result to the existing literature. Scalar Diffraction from a Circular Aperture promises a few new results and several novel insights, particularly with regard to spatial averaging. Although the text emphasizes ultrasonic diffraction, the results and insights developed are general and may be applied to the many practical problems involving scalar diffraction from a circular aperture. Included are novel insights on mirror-image diffraction, autoconvolution diffraction, and coherent and incoherent averaging. Examples from ultrasonic imaging, a coherent imaging modality, are used to develop a fairly general theory that connects over a century of research on scalar diffraction from a circular aperture. The material is based on a synthesis of mathematics, physical optics, linear systems theory, and scalar diffraction theory. Thus, engineers, scientists, mathematicians, and students working in optics, acoustics, antenna design, biomedical engineering, non-destructive testing, and astronomy will find Scalar Diffraction from a Circular Aperture interesting, provocative, and useful.

A presentation of algorithms for synthetic aperture radar imagery. It studies: image formation; image registration and fusion; image quality assessment; and

feature extraction.

A renowned edition, containing text, apparatus, translation and full commentary. Advances in Automatic Control is of interest to professionals and academics working in the fields of control theory, engineering applications of control, electrical engineering, power engineering, and electronics. The themes dealt with in the papers of this volume cover a large variety of topics in automatic control, including: stabilization of distributed parameter systems, disturbance attenuation in stochastic systems, analysis and simulation of discrete event systems, fault detection, characterization of linear periodic Hamiltonian systems, stability of time delay systems, flow invariance and componentwise asymptotic stability, distributed control, parametrization of stabilizing controller, vibration control, predictive control, fuzzy control, intelligent decision and control, optimal control, computer aided control, robot and CIM control, DVD and player control. The chapters present original theoretical and/or practical results in automatic control and highlight new aspects, interpretations and developments of some current issues in the field. Advances in Automatic Control is also suitable for use as a graduate-level text in engineering.