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Specialist Techniques in Engineering Mathematics

Bajpai, A. C.

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Specialist Techniques In Engineering Mathematics

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Technological Concepts and Mathematical Models in the Evolution of Modern Engineering Systems Mario Lucertini,Ana Millàn Gasca,Fernando Nicolò,2012-12-06 M LUCERTINI A MILLAN GASCA AND F NICOLO 1 Technology as Knowledge The Case of Modern Engineering Systems In recent years scholars coming from the fields of history and philosophy of science and technology have devoted much attention to the problem of technology as knowledge and to the emergence of an autonomous engineering science in the Industrial Age This interest echoes a growing awareness among engineers of the independence of their conceptual approach with respect to other forms of knowledge linked to the consolidation of autonomous academic engineering research in the 20th century A careful examination of the nature of technological knowledge appears particularly valuable in view of the pervasive presence of technology in contemporary life and culture not only as a result of its impressive achievements but through the less obvious influence of its concepts and viewpoints as well The activity of engineers and technicians has been traditionally based on the practical ability to cope with specific situations and to attain the corresponding specific goal by means of the design and realization of an artifact or structure on the basis of past experience handed down by tradition and applied by means of trial and error and rule of thumb procedures But the existence of a theoretical background and of principles underpinning this activity can be traced back to classical antiquity

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Buships Duty and Field Duty for Engineering Specialists United States. Bureau of Naval Personnel, 1959

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psychologists have limited insight and understanding of the technical dimensions in engineering work Little if any of the material in this book can be obtained from management texts or courses Management schools have avoided the technical dimension of workplace practices and that is precisely what characterises engineering practice The technical dimension infuses almost every aspect of an engineer s working day and cannot be avoided That s why this book is so necessary there has not yet been any authoritative source or guidance to bridge the gap between inanimate technical issues and organisational behaviour This book fills this gap in our knowledge is based on rigorous research and yet is written in a style which is accessible for a wide audience *The Saturday Review of Politics, Literature, Science and Art* ,1920 *Handbook of Description of Specialized Fields in Agricultral [!] Engineering* United States. National Roster of Scientific and Specialized Personnel,1944

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