Preface

Design is the central activity of the engineering profession. In today’s context, as human–machine interface design or simply interface design has become a core issue, it is essential that design engineers and technologists need to have the knowledge of ergonomics and human factors engineering. Ergonomic design and analysis has emerged as one of the key areas of study and research over the past several decades in order to make the worksystems ergonomically designed, operationally safe, and productive. The book addresses the major issues, principles, and applications related to ergonomic design of products and worksystems.


This book is quite appropriate primarily for graduate students, researchers, and industrial professionals. It can also be adapted for a short professional course on the subject matter. It is expected that design and research engineers will be able to draw upon the book in selecting and developing mathematical models for analytical and design purposes. Also, practicing engineers and managers will be highly benefited by learning the basic principles and concepts of ergonomic design as discussed and illustrated in the book.

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