
Foreword

Dr. Kamran Iqbal has assembled a very valuable and comprehensive book on introductory and applied control. The book contains many tools and much knowledge about the details of mankind's and engineers' everyday implements, and their control. The concepts, issues, challenges and alternatives are lucidly and precisely presented.

The material is very well motivated and compactly and pragmatically presented. Matlab programs and computer tools supplant the discussions and analytical tools in order to ease the derivations and the conclusions.

A curious and motivated engineer or student of control will have no difficulty following the material, the mathematical developments and derivations, models of physical systems and interdisciplinary issues. Many examples and exercises are added to enrich the imagination and creativity of the reader. Subjects of Transfer Function, State Variables, Root Locus apparatus, Sample Data systems, Pole Assignment are precisely described. A variety of assigned problems and questions help the reader to become completely aware of alternatives and be able to envision different solutions in his or her mind.

The book is equipped with ample explanations, guidance, tools and encouragement. It will be a valuable tool in all countries of the world with different educational, industrial and technical facilities and where engineers are called upon to provide.

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April 2020