

# Digital Control System Analysis and Design

Fourth Edition



Phillips • Nagle • Chakraborty

**Solutions Manual**

# Digital Control System Analysis And Design Solution Manual

**Hussin A.Rothana**



## **Digital Control System Analysis And Design Solution Manual:**

**Modern Control System Theory and Design** Stanley M. Shinnars, 1998-05-06 The definitive guide to control system design Modern Control System Theory and Design Second Edition offers the most comprehensive treatment of control systems available today Its unique text software combination integrates classical and modern control system theories while promoting an interactive computer based approach to design solutions The sheer volume of practical examples as well as the hundreds of illustrations of control systems from all engineering fields make this volume accessible to students and indispensable for professional engineers This fully updated Second Edition features a new chapter on modern control system design including state space design techniques Ackermann's formula for pole placement estimation robust control and the H method for control system design Other notable additions to this edition are Free MATLAB software containing problem solutions which can be retrieved from The Mathworks Inc anonymous FTP server at <ftp://ftp.mathworks.com/pub/books/shinnars> Programs and tutorials on the use of MATLAB incorporated directly into the text A complete set of working digital computer programs Reviews of commercial software packages for control system analysis An extensive set of new worked out illustrative solutions added in dedicated sections at the end of chapters Expanded end of chapter problems one third with answers to facilitate self study An updated solutions manual containing solutions to the remaining two thirds of the problems Superbly organized and easy to use Modern Control System Theory and Design Second Edition is an ideal textbook for introductory courses in control systems and an excellent professional reference Its interdisciplinary approach makes it invaluable for practicing engineers in electrical mechanical aeronautical chemical and nuclear engineering and related areas

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