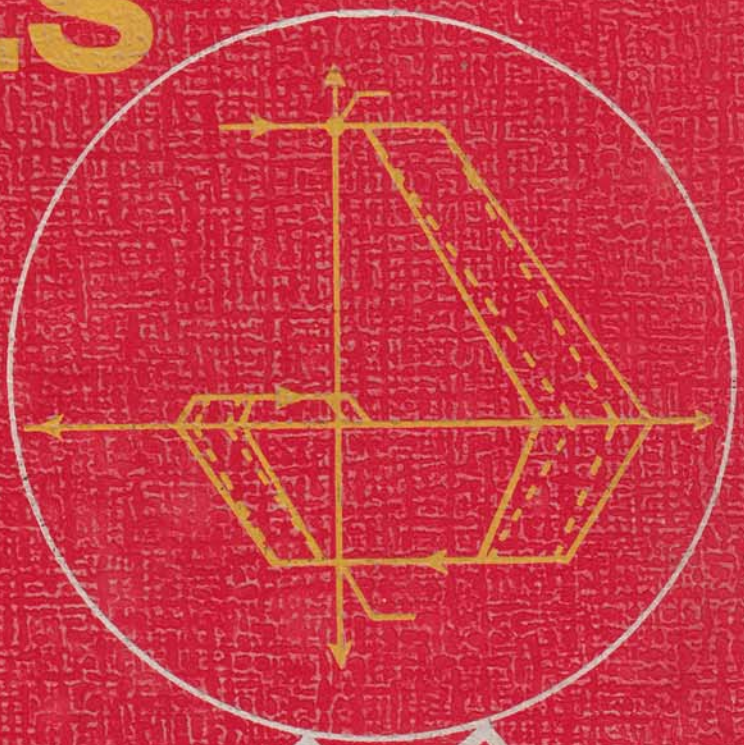
NUMERICAL CONTROL OF MACHINE TOOLS



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NUMERICAL CONTROL OF MACHINE TOOLS

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Numerical control (NC) as applied to machine tools covers three different fields: machine tool operation, design of control loops, and programming of the part being produced. The present book is unique insofar as it covers all three aspects of the subject within a single volume.

The book is divided into nine chapters covering the entire NC field, starting with conventional automatic machines and NC systems and progressing to more recent developments-DNC, CNC, and adaptive control. A comprehensive overview of the subject is provided, together with the necessary technical fundamentals for the design of NC systems.

This book can be used as a textbook for a one-semester advanced undergraduate course in a mechanical, electrical, or manufacturing engineering curriculum; or it can be used as a sourcebook for the practicing engineer.