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*Solutions Manual for Electromechanical Dynamics*

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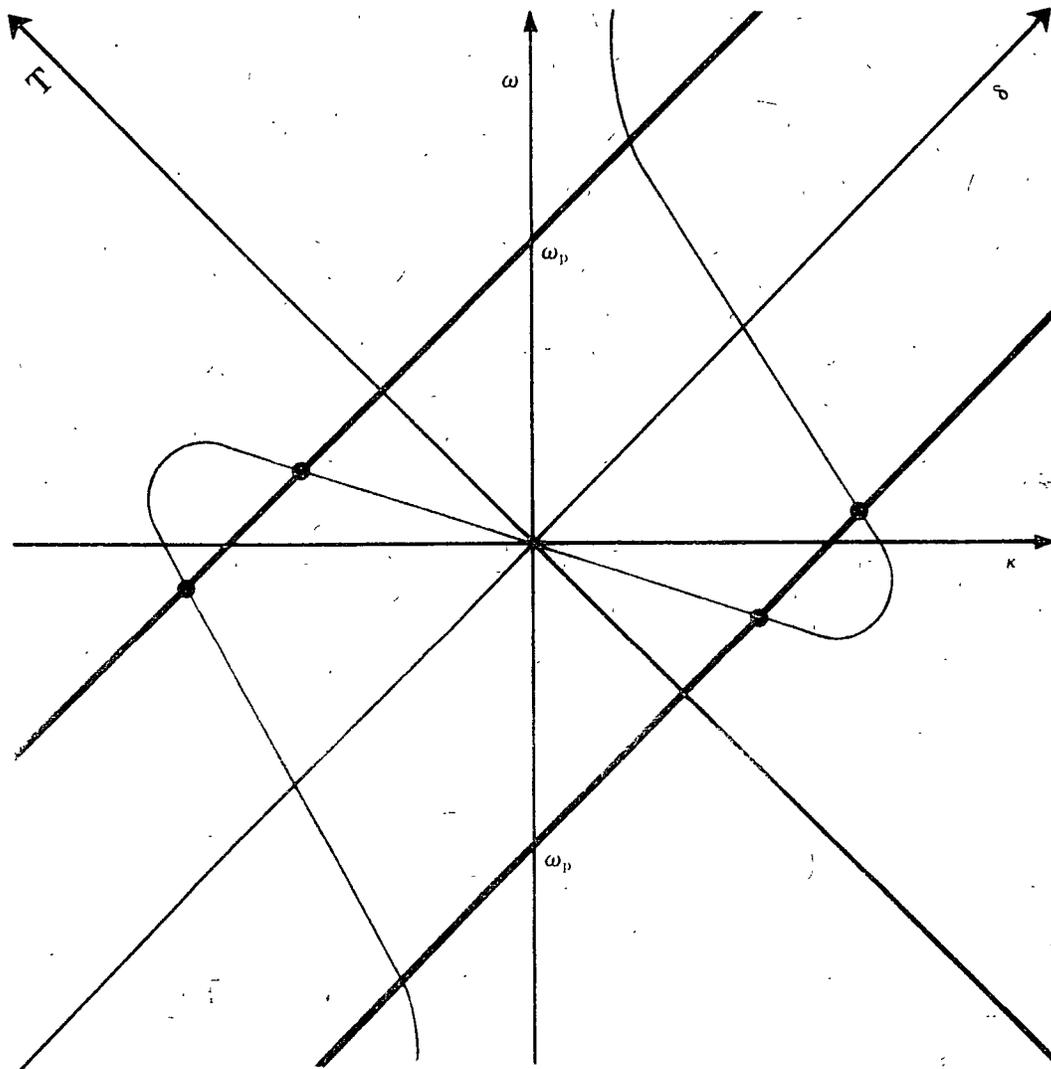
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SOLUTIONS MANUAL FOR

# ELECTROMECHANICAL DYNAMICS

PART I: Discrete Systems

HERBERT H. WOODSON    JAMES R. MELCHER



JOHN WILEY & SONS, INC. NEW YORK • LONDON • SYDNEY



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**SOLUTIONS MANUAL FOR**

**ELECTROMECHANICAL**

**DYNAMICS**

**Part I: Discrete Systems**

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PREFACE TO: SOLUTIONS MANUAL FOR  
ELECTROMECHANICAL DYNAMICS, PART I:  
DISCRETE SYSTEMS

This manual presents in an informal format solutions to the problems found at the ends of chapters in Part I of the book, Electromechanical Dynamics. It is intended as an aid for instructors, and in special circumstances for use by students. We have included a sufficient amount of explanatory material that solutions, together with problem statements, are in themselves a teaching aid. They are substantially as found in our records for the course 6.06 as taught at M.I.T. over a period of several years.

Typically, the solutions were originally written up by graduate student tutors whose responsibility it was to conduct one-hour tutorials once a week with students in pairs. These tutorials focused on the homework, with the problem solutions reproduced and given to the students upon receipt of their own homework solutions.

It is difficult to give proper credit to all of those who contributed to these solutions, because the individuals involved range over teaching assistants, instructors, and faculty who have taught the material over a period of more than four years. However, a significant contribution was made by D.S. Guttman who took major responsibility for the solutions in Chapter 6.

The manuscript was typed by Mrs. Barbara Morton, whose patience and expertise were invaluable.

H.H. Woodson  
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Cambridge, Massachusetts  
July, 1968