

Table of Contents

Preface		1
I	E. D. Denman, Invariant Imbedding and Linear Systems	4
II	E. S. Angel, Cauchy Problems for Ordinary Differential, Difference and Integral Equations	19
III	E. S. Angel and A. Jain, Invariant Imbedding and Partial Differential Equations	34
IV	R. E. Kalaba, Reduction of Matrix Integral Equations with Displacement Kernels on the Half-Line to Cauchy Systems	46
V	E. D. Denman, Invariant Imbedding and Optimal Control	55
VI	A. Jain and G. Cohen, A Method of Characteristics and Invariant Imbedding for Distributed Control Problems	68
VII	R. Wilcox, Wave Propagation Through Longitudinally and Transversally Inhomogeneous Slabs-I	87
VIII	J. O. Mingle, Neutron Transport Theory	108
IX	J. N. Distefano, Dynamic Programming and Invariant Imbedding in Structural Mechanics. Part I. Modeling, Imbedding and Solutions Part II. Application to Plate Theory	118
References		148