

CONTENTS

	Page
Preface	1
List of Contributors	V
<i>An Introduction to Singular Perturbations in Nonlinear Optimal Control</i> by M.D. Ardema	1
<i>On Nonlinear Optimal Control Problems</i> by R.E. O'Malley, Jr.	93
<i>Singular Perturbations in Nonlinear Systems and Optimal Control</i> by P. Habets	103
<i>Slow/Fast Decoupling-Analytical and Numerical Aspects</i> by R.E. O'Malley, Jr.	143
<i>Composite Feedback Control of Nonlinear Singularly Perturbed Systems</i> by P.V. Kokotovic	161
<i>Regular Perturbations in Optimal Control</i> by A. Bensoussan	169
<i>High Gain Feedback Control Synthesis</i> by J.C. Willems	185
<i>Linear Quadratic Gaussian Estimation and Control of Singularly Perturbed Systems</i> by H.K. Khalil	191
<i>Optimal Control of Perturbed Markov Chains: the Multitime Scale Case</i> by J.P. Quadrat	215
<i>Singular Perturbations in Stable Feedback Control of Distributed Parameter Systems</i> by M.J. Balas	241
<i>Transition Layers, Angular Limiting Solutions and Internal Layers in Singularly Perturbed Nonlinear Eigenvalue Problems</i> by C.M. Brauner and B. Nicolaenko	269
<i>Singularly Perturbed Systems of Diffusion Type and Feedback Control</i> by A. van Harten	309