

Contents

Yang Lo and S.T. Yau	
Series Preface	xi
Lei Guo and Stephen S.-T. Yau	
Preface	xiii
Roger Brockett	
Beijing Lectures on Nonlinear Control Systems	1
Liang-Liang Xie and Lei Guo	
Adaptive Control of Discrete-Time Nonlinear Systems with Structural Uncertainties	45
P.R. Kumar	
Networks and Learning	87
Chi Wan Sung and Wing Shing Wong	
Mathematical Aspects of the Power Control Problem in Mo- bile Communication Systems	127
Stephen S.-T. Yau	
Brockett's Problem on Nonlinear Filtering Theory	173