

Table of Contents

H. PARK, G. REGENSBURGER	
Preface	v
N. K. BOSE	
Two decades (1985–2005) of Gröbner bases in multidimensional systems	1
A. FABIAŃSKA, A. QUADRAT	
Applications of the Quillen-Suslin theorem to multidimensional systems theory	23
J. LEBRUN	
Normal forms in statistical signal processing	107
V. LEVANDOVSKYY, E. ZERZ	
Obstructions to genericity in study of parametric problems in control theory	127
U. OBERST, M. SCHEICHER	
A survey of (BIBO) stability and (proper) stabilization of multidimensional input/output systems	151
G. REGENSBURGER	
Applications of filter coefficients and wavelets parametrized by moments	191
L. XU	
Applications of Gröbner bases in synthesis of multidimensional control systems	215
E. ZERZ	
State representations of time-varying linear systems	235