

Contents



UNIVERSIDAD NACIONAL DEL ENTRE RÍOS
FACULTAD DE INGENIERÍA
CENTRO DE MEDIOS
BIBLIOTECA

783

Combinatorics: Trends and Examples KENNETH BACLAWSKI	1
Control Theory and Singular Riemannian Geometry R. W. BROCKETT	11
On Certain Topological Invariants Arising in System Theory CHRISTOPHER I. BYRNES AND TYRONE E. DUNCAN.....	29
Operations Research and Discrete Applied Mathematics D. KLEITMAN	73
Symplectic Projective Orbits BERTRAM KOSTANT AND SHLOMO STERNBERG	81
Four Applications of Nonlinear Analysis to Physics and Engineering JERROLD E. MARSDEN	85
Bifurcation, Catastrophe, and Turbulence E. C. ZEEMAN	109
The Emphasis on Applied Mathematics Today and Its Implications for the Mathematics Curriculum PETER J. HILTON	155