

CONTENTS

| | | |
|---|---|-----|
| Preface | 9 | |
| | | |
| BALL, J.A. | Invariant subspace representations, unitary interpolants and factorization indices | 11 |
| BART, H.; GOHBERG, I.; KAASHOEK, M.A. | The coupling method for solving integral equations | 39 |
| DE BRANGES, L. | The expansion theorem for Hilbert spaces of analytic functions | 75 |
| DEWILDE, P.M. | The lossless inverse scattering problem in the network-theory context | 109 |
| DOUGLAS, R.G.; FOIAS, C. | Subisometric dilations and the commutant lifting theorem | 129 |
| DYM, H.; IACOB, A. | Positive definite extensions, canonical equations and inverse problems | 141 |
| GOHBERG, I.; KAASHOEK, M.A.; LERER, L.; RODMAN, L. | Minimal divisors of rational matrix functions with prescribed zero and pole structure | 241 |
| JONCKHEERE, E.A.; SILVERMAN, L.M. | The linear-quadratic optimal control problem--The operator theoretic viewpoint | 277 |
| KNOWLES, G.J.; SAEKS, R. | On the structure of invertible operators in a nest-subalgebra of a von Neumann algebra | 303 |
| KRAVITSKY, N. | On commuting integral operators | 319 |
| LINDQUIST, A.; PICCI, G. | Infinite dimensional stochastic reali- zations of continuous-time stationary vector processes | 335 |

| | | |
|----------------------------|--|-----|
| RAN, A.C.M.; RODMAN, L. | The algebraic matrix Riccati equation .. | 351 |
| | Workshop Program | 382 |
| | List of Participants | 384 |