

Cambridge University Press

978-0-521-63193-8 - Holomorphic Spaces

Edited by Sheldon Axler, John E. McCarthy and Donald Sarason

Table of Contents

[More information](#)

Holomorphic Spaces
MSRI Publications
Volume 33, 1998

Contents

Preface	ix
Holomorphic Spaces: A Brief and Selective Survey	1
DONALD SARASON	
Recent Progress in the Function Theory of the Bergman Space	35
HÅKAN HEDENMALM	
Harmonic Bergman Spaces	51
KAREL STROETHOFF	
An Excursion into the Theory of Hankel Operators	65
VLADIMIR V. PELLER	
Hankel-Type Operators, Bourgain Algebras, and Uniform Algebras	121
PAMELA GORKIN	
Tight Uniform Algebras	135
SCOTT SACCONE	
Higher-Order Hankel Forms and Commutators	155
RICHARD ROCHBERG	
Function Theory and Operator Theory on the Dirichlet Space	179
ZHIJIAN WU	
Some Open Problems in the Theory of Subnormal Operators	201
JOHN B. CONWAY AND LIMING YANG	
Elements of Spectral Theory in Terms of the Free Function Model	
Part I: Basic Constructions	211
NIKOLAI NIKOLSKI AND VASILY VASYUNIN	
Liftings of Kernels Shift-Invariant in Scattering Systems	303
CORA SADOSKY	
Some Function-Theoretic Issues in Feedback Stabilisation	337
NICHOLAS YOUNG	

Cambridge University Press

978-0-521-63193-8 - Holomorphic Spaces

Edited by Sheldon Axler, John E. McCarthy and Donald Sarason

Table of Contents

[More information](#)

viii

CONTENTS

The Abstract Interpolation Problem and Applications	351
ALEXANDER KHEIFETS	
A Basic Interpolation Problem	381
HARRY DYM	
Reproducing Kernel Pontryagin Spaces	425
DANIEL ALPAY, AAD DIJKSMA, JAMES ROVNYAK, AND HENDRIK S. V. DE SNOO	
Commuting Operators and Function Theory on a Riemann Surface	445
VICTOR VINNIKOV	