

TABLE OF CONTENTS

PREFACE	111
INTRODUCTION	1
CHAPTER 1	
EXTENSION OF HOLOMORPHIC AND MEROMORPHIC FUNCTIONS	
Levi's Theorem	13
Rothstein's Theorem	16
APPENDIX	
The $\frac{1}{2}$ -Theorem of Koebe-Bieberbach	31
CHAPTER 2	
EXTENSION OF SUBVARIETIES AND HOLOMORPHIC MAPS	
The Theorem of Thullen-Remmert-Stein	34
Bishop's Theorem	51
Rothstein's Theorem	67
Extension across \mathbb{R}^n	76
Extension of Holomorphic Maps	85
APPENDIX	
Jensen Measures	94
Ranks of Holomorphic Maps	96
Thick Sets	101
Special Analytic Polyhedra	104
A Special Case of the Lemma of Dolbeault-Grothendieck	117
CHAPTER 3	
HOMOLOGICAL CODIMENSION, LOCAL COHOMOLOGY, AND GAP-SHEAVES	123

APPENDIX	
M-sequences	147
CHAPTER 4	
EXTENSION OF COHERENT ANALYTIC SUBSHEAVES	152
CHAPTER 5	
EXTENSION OF LOCALLY FREE SHEAVES ON RING DOMAINS	163
APPENDIX	
Topology of Sheaf Cohomology Groups	184
Triviality of Holomorphic Vector Bundles	187
CHAPTER 6	
EXTENSION OF LOCALLY FREE SHEAVES ON HARTOG' DOMAINS	202
APPENDIX	
Duality	229
CHAPTER 7	
EXTENSION OF COHERENT ANALYTIC SHEAVES	235
REFERENCES	250
INDEX	254
INDEX OF SYMBOLS	256