

CONTENTS

	PAGE
Chapter I	01
INTRODUCTION	
Chapter II	
LATTICE $DP(X)$	19
1. Density Preserving Maps: Definition and Examples.	20
2. Poset $DP(X)$.	22
3. Completion of $DP(X)$.	26
Chapter III	
ORDER STRUCTURE OF POSET $DP(X)$	31
1. Primary and dual members in $DP(X)$.	32
2. cln-bijection.	37
3. Topology of X and order structure of $DP(X)$	40
Chapter IV	
POSET $DP(X)$, $IP(X)$ AND $K(X)$	43
1. Poset $DP(X, A)$.	44
2. Density preserving maps and irreducible maps.	50
Chapter V	
TOPOLOGY ON A FAMILY OF DUALS	53
1. Set D of duals and its subsets.	53
2. Topology of \mathfrak{I} and order structure of $DP(X)$.	57
3. Lattice $DP(\beta X, X)$ and remainder $\beta X - X$.	64
Chapter VI	
NEARLY HAUSDORFF COMPACTIFICATIONS	68
1. Nearly Hausdorff Spaces.	70
2. The space rX .	79
3. When $rX = \beta X$?	88
Chapter VII	
ABSOLUTES FOR NEARLY HAUSDORFF SPACES	92
1. The functor r .	93
2. The functor E .	97
3. Commutativity of E and r .	100
References	103
Appendix	106