

CONTENTS

	PREFACE	iii
I.	CONSTRUCTIONS OF LOCALLY CONVEX SPACES.	1
	A. Projective Constructions.	1
	B. Inductive Constructions	1
II.	TYPES OF LOCALLY CONVEX SPACES.	4
	A. Polar Spaces.	4
	B. Spaces Distinguished by Bounded Sets.	5
	C. Spaces Distinguished by Continuity of Operators	8
III.	PRESERVATION OF PROPERTIES UNDER VARIOUS CONSTRUCTIONS.	9
IV.	IMPLICATION TABLE	16
V.	EXAMPLES.	25
	A. The Eminent Example of Gottfried Kothe.	25
	B. The Eminent Example of Yokio Komura	34
	C. The K-Valued Functions on the Continuum	45
	D. The Space $\ell_2(N)$	46
	E. The Space $\ell_1(N)$	51
	F. The Space $c_{oo}(i)$	52
	G. The Product Space K^N	54
	H. An Inductive Limit (due to Komura).	55
	I. The Space $c_{oo}(R)$	58
VI.	APPENDIX.	60
	A. An Inductive Limit of Locally Convex Subspaces which bears the Indiscrete Topology	60
	B. The Cardinality of a Linear Space	64
	REFERENCES.	64