

Contents

CHAPTER

I.	<u>Definition and basic properties of analytically uniform spaces</u>	
	§1. Introduction.....	1
	§2. General properties of analytically uniform spaces..	7
II.	<u>Examples of AU-spaces</u>	
	§1. The Beurling spaces \mathcal{D}_ω , \mathcal{D}'_ω	26
	§2. The Beurling spaces \mathcal{E}_ω , \mathcal{E}'_ω	58
III.	<u>Spaces of approximate solutions to certain convolution equations</u>	
	§1. The spaces $\mathcal{E}_B(L; \Phi)$	69
	§2. A uniqueness theorem for convolution equations....	77
IV.	<u>The fundamental principle</u>	
	§1. Formulation of the theorem and auxiliary lemmas..	90
	§2. Proof of the theorem.....	107
	<u>Bibliographical remarks and other comments</u>	122
	<u>Bibliography</u>	128