

Table of Contents

	<u>Page</u>
Preface	v
Chapter 1. Contraction Mappings.	1
Chapter 2. Monotone Operators.	10
2.1. Set mappings	10
2.2. Monotone mappings.	18
2.3. Causal mappings.	39
2.4. Hammerstein-type operators	43
2.5. Linearization.	53
2.6. Ritz-Galerkin method	70
Chapter 3. Operators on an Extended Hilbert Space.	78
Chapter 4. Feedback Systems.	91
4.1. General results.	92
4.2. Feedback systems over a Hilbert space.	95
4.3. Linear approximations to feedback systems.	103
4.4. Feedback systems over an extended Hilbert space.	114
Chapter 5. Monotone Networks	120
5.1. Abstract network	121
5.2. Hilbert networks	123
5.3. Causality of Hilbert networks.	136
5.4. Hilbert networks over the space $L_2[0, \tau]$	140
5.5. Linear approximation to monotone networks.	149
5.6. Networks over an extended Hilbert space.	156
5.7. Comments	159
Chapter 6. Monotone Multiports	160
Chapter 7. Concluding Comments	168
References.	173
Subject Index	174