1. Record Nr. UNINA9910817126503321

Autore	Marcus M (Moshe), <1937->
Titolo	Limiting equations for problems involving long range memory / / M. Marcus and Victor Mizel
Pubbl/distr/stampa	Providence, R.I., USA : , : American Mathematical Socieity, , [1983] ©1983
ISBN	1-4704-0688-8
Descrizione fisica	1 online resource (68 p.)
Collana	Memoirs of the American Mathematical Society, , 0065-9266 ; ; volume 43, number 278 (May 1983)
Disciplina	510 s 514/.322
Soggetti	Topological dynamics Volterra equations
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	""IV. Condition for Precompactness in H of Positive Translates of an H-operator""""V. Limiting Equations""; ""5.1 I©-limiting set of a solution""; ""5.2a€?5.3 Existence for limiting equations defined on the entire line""; ""5.4a€?5.5 Limiting set and limiting equation for a family of solutions""; ""VI. Generalization to Non-BV Outputs""; ""6.1a€?6.2 Weakly H-operators""; ""VII. Applications to Hammerstein Hereditary Operators I""; ""7.1a€?7.4 Hammerstein hereditary operators""; ""7.5a€?7.6 Proof that Hammerstein hereditary operators belong to H"" ""7.7a€?7.11 Verification that 'regular' Hammerstein hereditary operators are uniform H-operators and their positive translates are precompact in H""""7.12a€?7.14 Representation theorem for limiting equations of a regular Hammerstein hereditary equation""; ""VIII. Applications to Functional Differential Equations""; ""8.1 Associating an H-operator to an FDE""; ""8.2a€?8.3 Quasi-uniform H-operators, the class H[sub(a)]""; ""8.4a€?8.7 Normalized translates, modified limiting sets of solutions""; ""8.8a€?8.10 Existence of a limiting equation"" ""8.11a€?8.12 A condition ensuring that limiting equations are also FDE's""""IX. Applications to Hammerstein Hereditary Operators II""; ""9.1 a€?9.2 Hammerstein hereditary operators with nonautonomous kernel""; ""9.3a€?9.4 Proof that such operators belong to H""; ""9.5a€?

9.6 Conditions for regularity""; ""9.7a€?9.9 Verification that 'regular' Hammerstein hereditary operators are uniform H-operators and their positive translates are precompact in H""; ""9.10 Representation theorem for limiting equations of a regular Hammerstein hereditary equation""; ""Acknowledgment""; ""Bibliography""