
HAMMERSTEIN INTEGRODIFFERENCE EQUATIONS - STRUCTURAL PROPERTIES AND THEIR APPLICATIONS

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We consider structural properties such as monotonicity or subhomogeneity of Hammerstein vector-valued integral operators over compact domains involved in nonautonomous integrodifference equations. We show consequence of these properties on the dynamics of Hammerstein integrodifference equations in a local-global stability principle.

This is a joint work with Christian Pötzsche from University of Klagenfurt.

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