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A Duality Principle in the Theory of Dynamical Systems

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Abstract: The aim of this paper is to formulate and illustrate a duality principle for dynamical systems. There is a one-to-one correspondence between causal (nonanticipative) systems, and the anticipative ones. Several cases are dealt with, based on the nature of the functional equations describing the dynamics.

Keywords: *Dynamical systems; causal; antisipative; duality principle.*

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