Control Entropy A Complexity Measure For Nonstationary

CONTROL ENTROPY A COMPLEXITY MEASURE FOR NONSTATIONARY
December 18th, 2018 - CONTROL ENTROPY A COMPLEXITY MEASURE FOR NONSTATIONARY SIGNALS Erik M Bollt and Joseph D Skufca Clarkson University P O Box 5815 Potsdam NY 13699 5815 USA Stephen J McGregor Health Prom and Human Perf 318 Porter Bldg Ypsilanti MI 48197 USA Communicated by Ying Cheng Lai Abstract We propose an entropy statistic designed to assess the behavior of slowly varying parameters of real

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May 31st, 2009 - A particular tool control entropy CE is a measure of the regularity or conversely the complexity of a signal and is used to infer the constraints present on a system More importantly CE

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May 31st, 2009 - We propose an entropy statistic designed to assess the behavior of slowly varying parameters of real systems Based on correlation entropy the method uses symbol dynamics and analysis of increments to achieve sufficient recurrence in a short time series to enable entropy measurements on small data sets

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November 23rd, 2018 - complexity measure nonstationary signal control entropy several physiological time series small data set measured physiological signal ying cheng lai slow variable sufficient recurrence non stationary system wide range clinical pathology dynamic exercise health status physiological time series data series symbol dynamic valuable tool correlation entropy entropy measurement real system physiological stress non steady state condition time series entropy

statistic objective mean short time

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January 11th, 2019 - CONTROL ENTROPY A COMPLEXITY MEASURE 3 inherent diï¬culty is that the basis for the entropy estimators makes an assumption of suï¬cient stationarity of the process such that the estimates of probabilitiespi can

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