Special Issue

Fault-Tolerant Control via Information Theoretic Techniques

Message from the Guest Editors

This Special Issue targets recent research, trends and practical developments in the field of fault-tolerant control (FTC), where the mathematical concept of information plays a key role in the synthesis of FTC algorithms. The aim of this Special Issue is to exchange researchers' achievements in recent advances that treat various fault-tolerant control as well as fault detection and diagnosis (FDD) techniques using information-theoretic approaches and their combination with other approaches.

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The concept of entropy is traditionally a quantity in physics that has to do with temperature. However, it is now clear that entropy is deeply related to information theory and the process of inference. As such, entropic techniques have found broad application in the sciences.

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