



entropy



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Information Theory for Control, Games, and Decision Problems

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Message from the Guest Editors

Originally, Shannon's information theory was developed deriving fundamental bounds on the rate of communication, regardless of the application; thus, semantic aspects of communication were not considered. Since optimality is not guaranteed for separating processing for communication and application, more and more fundamental bounds have been derived for specific applications. In particular, fundamental results have been obtained in the last few years for problems in distributed control and decision theory. This Special Issue should take up this development and provide space for original works dealing with cross-disciplinary problems, where information theory is used for (distributed) control problems or decision problems, which may also include problems regarding operational research.

Deadline for manuscript submissions:

closed (31 October 2019)



mdpi.com/si/18511

Special Issue



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Message from the Editor-in-Chief

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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