Special Issue

Port-Hamiltonian Methods

Message from the Guest Editors

This Special Issue aims to collect papers containing new results and tutorial-like/survey documents which make use of port-Hamiltonian theory at their core. The topics are but not limited to:

- port-Hamiltonian modelling
- port-Hamiltonian control
- boundary control methods for port-Hamiltonian distributed parameter systems
- mathematical methods using port-Hamiltonian formulations
- discretization and numerical methods using port-Hamiltonian framework
- port-Hamiltonian description of multi-physics field theories
- port-Hamiltonian description of quantum systems
- port-based modelling of thermodynamically irreversible processes
- port-based description of entropy creation
- simulations of multi-physics systems using port-Hamiltonian theory
- machine learning methods for identification and control using port-Hamiltonian theory
- applications

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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.

Entropy is an online open access journal providing an advanced forum for the development and/or application of entropic and information-theoretic studies in a wide variety of applications. *Entropy* is inviting innovative and insightful contributions. Please consider *Entropy* as an exceptional home for your manuscript.

Editor-in-Chief

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