

Special Issue

Random Matrix Approaches in Classical and Quantum Information Theory

Message from the Guest Editors

This Special Issue solicits recent advances in random matrix methods to classical and quantum information theory. Topics include but are not limited to applications of random matrix theory to:

- Caching and data retrieval
- Coding theory (classical and quantum)
- Communications theory (classical and quantum)
- Compressed sensing
- Concentration of measure techniques
- Deep neural networks
- Detection and estimation
- Geometry of quantum states
- Graph signal processing
- Quantum chaos and entanglement
- Random density matrices and entropies
- Spectral methods for graph clustering and classification

Guest Editors

Dr. Lu Wei

Dr. Antonia Tulino

Dr. Santosh Kumar

Deadline for manuscript submissions

closed (30 June 2020)



Entropy

an Open Access Journal
by MDPI

Impact Factor 2.0

CiteScore 5.2

Indexed in PubMed



mdpi.com/si/31099

Entropy
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
entropy@mdpi.com

[mdpi.com/journal/
entropy](http://mdpi.com/journal/entropy)





Entropy

an Open Access Journal
by MDPI

Impact Factor 2.0
CiteScore 5.2
Indexed in PubMed



[mdpi.com/journal/
entropy](http://mdpi.com/journal/entropy)

About the Journal

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.

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

Prof. Dr. Kevin H. Knuth

Department of Physics, University at Albany, 1400 Washington Avenue, Albany, NY 12222, USA

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Inspec, PubMed, PMC, Astrophysics Data System, and other databases.

Journal Rank:

JCR - Q2 (Physics, Multidisciplinary) / CiteScore - Q1 (Mathematical Physics)

