

THE AIM OF UNIFORM DISTRIBUTION THEORY

The aim of this journal is to publish original research papers on various aspects of uniform distribution theory, especially theoretical and computational aspects of combinatorial, diophantine and probabilistic number theory. In particular we welcome submissions on the following topics:

- Distribution of one dimensional and multidimensional sequences.
- Distribution of binary sequences.
- Distribution of integer sequences and sequences from groups and spaces.
- Distribution problems in finite abstract sets.
- Continuously uniform distributions.
- Discrepancies.
- Pseudo-random number generators.
- Quasi-Monte Carlo integration.
- Quasi-Monte Carlo methods in financial mathematics.
- Theory of densities.
- Theory of distribution functions of sequences.
- Distribution of integer points in large domains.
- Spectral properties of sequences.
- Dynamics emerging from sequences.
- Number theoretic ciphers and codes.
- Combinatorial number theory.
- Trigonometric sums.
- Diophantine approximations and diophantine equations.
- Continued fractions.
- Quantum chaos.

In terms of the AMS subject classification, the main subject areas supported are 11K, 11J, 11B and 11L. The journal is published by The BOKU-University of Natural Resources and Applied Life Sciences in cooperation with other supporting organizations in both electronic and paper form. One volume of two issues is published annually. In addition to the regular issues of the journal, supplementary issues will be published occasionally focusing on honoring individuals, or containing proceedings of conferences.

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