

Special Issue

Mathematical Models and Deep Learning Algorithm for Encryption Computation

Message from the Guest Editor

This Special Issue focuses on the latest developments in the fusion of mathematical methods and deep learning with encryption technologies, with the goal of fostering innovations that improve both the security and computational efficiency of encryption systems in real-world applications. This Special Issue welcomes topics including (but not limited to) the following:

- Mathematical models in encryption technology;
- Deep learning techniques for encryption technology;
- Homomorphic encryption and privacy-preserving computation;
- Cryptanalysis using machine learning algorithms;
- Privacy-preserving deep learning;
- Optimized encryption methods for big data and AI applications;
- Other topics related to mathematical approaches and encryptions.

We look forward to contributions that explore the integration of mathematical approaches and deep learning to push the boundaries of encryption technology and secure data handling.

Guest Editor

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About the Journal

Message from the Editor-in-Chief

The journal *Mathematics* publishes high-quality, refereed papers that treat both pure and applied mathematics. The journal highlights articles devoted to the mathematical treatment of questions arising in physics, chemistry, biology, statistics, finance, computer science, engineering and sociology, particularly those that stress analytical/algebraic aspects and novel problems and their solutions. One of the missions of the journal is to serve mathematicians and scientists through the prompt publication of significant advances in any branch of science and technology, and to provide a forum for the discussion of new scientific developments.

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