Mathematics-Based Methods in Artificial Intelligence, Pattern Recognition and Deep Learning

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Message from the Guest Editors

Artificial intelligence, pattern recognition, and deep learning have become hot topics in recent years. From basic necessities to aerospace, pattern recognition, deep learning, and artificial intelligence are everywhere. For example, face recognition, fingerprint recognition, and palmprint recognition are widely used for access control and attendance systems in daily life. In fact, all of the artificial intelligence, pattern recognition, and deep learning algorithms highly rely on mathematical modeling and mathematical calculation. Good mathematical models and efficient calculation algorithms are crucial to success in these applications. For instance, it is very important to design a robust and efficient mathematical model for behavioral decisions in the application of multi-view information-based autonomous driving. The aim of this Special Issue is to highlight recent advances in mathematics-based methods in artificial intelligence, pattern recognition, and deep learning. Papers with interesting/significant new applications of artificial intelligence, pattern recognition, and deep learning are also welcome.

Special Issue

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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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