Special Issue

Lie Group Machine Learning

Message from the Guest Editors

With the continuous development of artificial intelligence technology, Lie group machine learning gradually becomes an important branch of the machine learning field. In the future, research in this field will focus more on practical application scenarios and design more efficient, accurate, and interpretable machine learning models. At the same time, Lie group machine learning will keep injecting new vitality into the development of artificial intelligence by performing more in-depth crossovers and integration with other disciplines. Therefore, there are legitimate reasons to carry out special research on Lie group machine learning. The scope of this Special Issue can be summarized but is not limited to the following keywords:

- Lie group algebraic learning;
- Lie group geometric learning;
- Lie group cover learning;
- Lie group meta-learning;
- Lie group continual learning;
- Lie group reinforcement learning;
- Lie group neural network learning;
- Lie group Bayesian learning;
- Symplectic group learning;
- Quantum group learning.

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