

Study about Hopfield Neural Networks and apply to solving the balanced transportation problem.

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Abstract: This topic aims to study the theory and application of Hopfield neural networks to solve the balanced transportation problem. Through an overview of the characteristics and properties of Hopfield neural networks, the topic will propose an approach to build an effective model for solving the problem of distributing goods between locations in a transportation system. The expected research results will not only contribute to the field of machine learning but also help improve performance and save costs for the transportation industry.

Keywords: Hopfield neural network, balanced transport, optimization algorithm