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Water Quality Modeling and Prediction Method Based on Sparse Recurrent Neural Network

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Abstract

It is an important prerequisite for scientific management and maintenance of water resources to accurately predict all kinds of indicators that affect water quality. This paper proposed a method of forecasting water quality index and rank based on sparse recurrent neural network (SRNN). Based on the principle of minimum mean square recursive error, the training algorithm of the network was designed. The neural network was used to construct a water quality prediction model. The experimental results showed that the model can be used to predict the trend of water quality in ZheJiang province.

Keywords: water quality modeling,water quality prediction,sparse recurrent neural network,learning algorithm

1 Introduction

abc(???, ??, & ???, 2000)

References

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