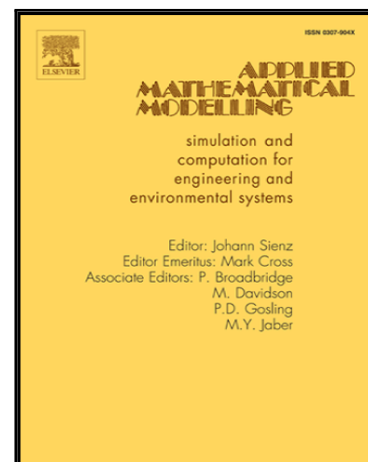


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A High Order Fuzzy Time Series Forecasting Method Based on
Operation of Intersection

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Highlights

- A novel high-order fuzzy time series method is suggested.
- In the proposed method, intersection operators are utilized to deal with the excessive number of inputs.
- Feed forward neural network is used to determine fuzzy relations. Fuzzy c-means method is employed for fuzzification.
- The membership values are used to determine fuzzy relations instead of using cluster numbers.
- The superior performance of proposed method is demonstrated in real world applications and a simulation study.

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