

Accepted Manuscript

An improved seasonal rolling grey forecasting model using a cycle truncation accumulated generating operation for traffic flow

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PII: S0307-904X(17)30448-1
DOI: [10.1016/j.apm.2017.07.010](https://doi.org/10.1016/j.apm.2017.07.010)
Reference: APM 11860



To appear in: *Applied Mathematical Modelling*

Received date: 14 April 2016
Revised date: 14 April 2017
Accepted date: 3 July 2017

Please cite this article as: Xinping Xiao, Jinwei Yang, Shuhua Mao, Jianghui Wen, An improved seasonal rolling grey forecasting model using a cycle truncation accumulated generating operation for traffic flow, *Applied Mathematical Modelling* (2017), doi: [10.1016/j.apm.2017.07.010](https://doi.org/10.1016/j.apm.2017.07.010)

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Highlights

1. A seasonal rolling grey forecasting model for urban traffic flow was proposed.
2. The new information priority of the proposed model was proved by rigorous matrix perturbation analysis.
3. The proposed model provides a new perspective on the seasonal and limited data characteristics of traffic flows.
4. Four time intervals of traffic forecasting show that the proposed model has good adaptability and stability.

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