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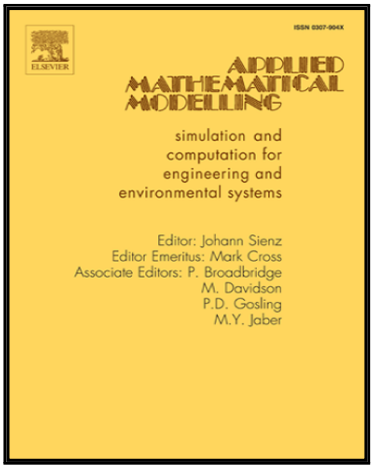

Robust optimization for relief logistics planning under uncertainties in demand and transportation time

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PII: S0307-904X(17)30681-9
DOI: 10.1016/j.apm.2017.10.041
Reference: APM 12042

To appear in: *Applied Mathematical Modelling*

Received date: 20 May 2016
Revised date: 8 October 2017
Accepted date: 31 October 2017

Please cite this article as: Yajie Liu, Hongtao Lei, Dezhi Zhang, Zhiyong Wu, Robust optimization for relief logistics planning under uncertainties in demand and transportation time, *Applied Mathematical Modelling* (2017), doi: 10.1016/j.apm.2017.10.041

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highlights

- An emergency logistics model for relief logistics planning in post-disaster stage is proposed.
- A robust optimization approach is adopted to cope with uncertainties in demand and transportation time.
- A numerical example is utilized to investigate the application of the proposed model.
- Sensitivity analyses explore the trade-off between optimization and robustness.
- The robustness of the solutions generated by the robust model is assessed by comparing with the deterministic model

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