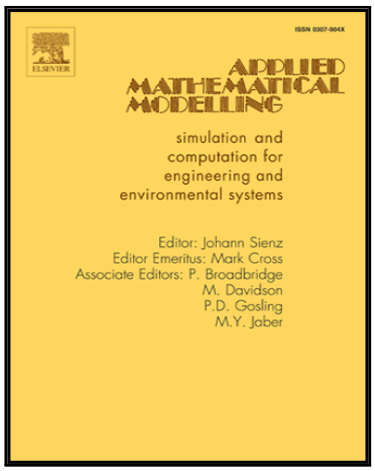

Understanding the Value of Upstream Inventory Information Sharing in Supply Chain Networks

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Highlights

- We developed CTMC models to study the effect of upstream inventory information sharing in SCNs.
- A two-echelon SCN with one retail store and two production facilities was used as a test bed.
- The marginal benefits of sharing additional inventory information were examined.
- The impact of backorder limits on SCN performance was also assessed.
- The study reveals that inventory information can be an effective substitute for physical inventory.