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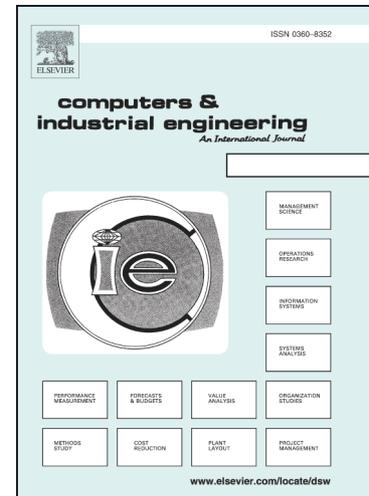
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A multiple-retailer replenishment model under VMI: Accounting for the retailer heterogeneity

by

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Abstract

Vendor managed inventory (VMI) is a well-established supply chain practice where the supplier is responsible for managing inventory at the retail point. In particular, the supplier takes care of *when to order* and *how much to order* on behalf of the retailer. This paper considers a single supplier – multiple retailer setting where the supplier takes inventory replenishment decisions for retailers such that the replenishment quantity for each retailer is within an upper bound that is mutually agreed upon in the VMI contract. We develop a nonlinear mixed-integer programming model to compute the

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