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Optimal dynamic pricing and inventory control with stock deterioration and partial back-ordering. (English) [Zbl 1235.90014](#)
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Summary: This paper studies the optimal dynamic pricing and inventory control policies in a periodic-review inventory system with fixed ordering cost and additive demand. The inventory may deteriorate over time and the unmet demand may be partially backlogged. We identify two sufficient conditions under which (s, S, p) policies are optimal.

MSC:

90B05 Inventory, storage, reservoirs

90C39 Dynamic programming

91B24 Microeconomic theory (price theory and economic markets)

Cited in **9** Documents

Keywords:

dynamic pricing; inventory control; dynamic programming

Full Text: [DOI](#)

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