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**Financing newsvendor inventory.** (English) Zbl 1151.91497  
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Summary: If the cost of borrowing is not too high, the capital-constrained newsvendor borrows funds to procure an amount that is less than would be ideal. The lender charges an interest rate that decreases in the newsvendor's equity. Furthermore, we derived a non-linear loan schedule that coordinates the channel.

**MSC:**

91B28 Finance etc. (MSC2000)  
90B05 Inventory, storage, reservoirs

Cited in **27** Documents

**Keywords:**

[newsvendor](#); [stochastic inventory](#); [capital-constrained coordination](#)

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**References:**

- [1] Archibald, T.; Thomas, L.; Betts, J.; Johnston, R., Should start-up companies be cautious? inventory policies which maximize survival probabilities, *Management science*, 48, 1161-1174, (2002) · [Zbl 1232.90264](#)
- [2] Babich, V.; Sobel, M.J., Pre-IPO operational and financial decisions, *Management science*, 50, 935-948, (2004) · [Zbl 1232.90219](#)
- [3] Birge, J.R., Optio methods for incorporating risk into linear capacity planning models, *Manufacturing \& service operations management*, 2, 19-31, (2000)
- [4] Bounds, G., Pen maker struggles with too much demand, *Wall street journal*, November, 14, (2006)
- [5] Buzacott, J. A.; Zhang, R., Inventory management with asset-based financing, *Management science*, 24, 1274-1292, (2004)
- [6] Cachon, G., Supply chain coordination with contracts, () · [Zbl 1232.90173](#)
- [7] Gaur, V.; Seshadri, S., Hedging inventory risk through market instruments, *Manufacturing \& service operations management*, 7, 103-120, (2005)
- [8] Huchzermeier, A.; Cohen, M.A., Valuing operational flexibility under exchange rate uncertainty, *Operations research*, 44, 100-113, (1996) · [Zbl 0847.90067](#)
- [9] Kogut, B.; Kulatilaka, N., Operational flexibility, global manufacturing, and the option value of a multinational network, *Management science*, 40, 123-139, (1994)
- [10] Kouvelis, P.; Li, C.-L., Flexible and risk sharing supply chain contract under price uncertainty, *Management science*, 45, 1378-1398, (1999) · [Zbl 1231.90047](#)
- [11] L. Li, M. Shubik, M. J. Sobel, Control of dividends, capital subscriptions, and physical inventories, Working Paper, Yale School of Management. <http://ssrn.com/abstract=690864>, 1997
- [12] X. Xu, J.R. Birge, Joint production and financing decisions: Modeling and analysis, Working Paper, Northwestern University, October 2004
- [13] Xu, X.; Birge, J.R., Equity valuation, production, and financial planning: A stochastic programming approach, *Naval research logistics*, 53, 641-655, (2006) · [Zbl 1106.90028](#)
- [14] Y. Xu, J. Zhang, On the selection of supply chain coordinating contracts: The role of capital constraints, Working Paper, University of Miami, December 2006

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