

An easy method to derive EOQ and EPQ inventory models with backorders

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Recently, a cost minimization method to determine the lot size for the EOQ/EPQ models with backorders was published. This method is based on the well-known arithmetic-geometric mean inequality. Although the cost minimization method is correct and interesting, it does not focus on deriving the backorders level. This paper proposes another simple approach. The proposed method finds both the lot size and the backorders level. © 2009 Elsevier Ltd. All rights reserved.

SciVal Topic Prominence

Topic: [Deterioration](#) | [Models](#) | [credit period](#)

Prominence percentile: 96.300

Author keywords

Algebraic optimization; Arithmetic-geometric mean (AGM) inequality; Backorders level; Cauchy-Bunyakovsky-Schwarz (CBS) inequality; Cost comparisons optimization; Economic order quantity; Economic production quantity

Indexed keywords

Engineering uncontrolled terms	Algebraic optimization; Backorders; Cauchy-Bunyakovsky-Schwarz (CBS) inequality; Cost comparisons; Economic order quantity; Economic production quantity; Schwarz
Engineering controlled terms:	Algebra; Computational fluid dynamics; Context sensitive grammars; Electric circuit breakers; Optimization
Engineering main heading:	Costs

- **ISSN:** 08981221
- **CODEN:** CMAPD
- **Source Type:** Journal
- **Original language:** English
- **DOI:** 10.1016/j.camwa.2009.09.013
- **Document Type:** Article