

The simplified solution procedure for deteriorating items under stock-dependent demand and two-level trade credit in the supply chain management

[Chung, K.-J.^{a,b}](#), [Cárdenas-Barrón, L.E.^c](#)

^aCollege of Business, Chung Yuan Christian University, Chung Li, Taiwan

^bNational Taiwan University of Science and Technology, Taipei, Taiwan

^cDepartment of Industrial and Systems Engineering, School of Engineering, Tecnológico de Monterrey, E.Garza Sada 2501 Sur, C.P. 64849, Monterrey, Nuevo León, Mexico

Min et al. [1] (J. Min, Y.W. Zhou, J. Zhao, An inventory model for deteriorating items under stock-dependent demand and two-level trade credit, Appl. Math. Model. 34 (2010) 3273-3285.) develop an inventory model for deteriorating items under stock-dependent demand and two-level trade credit. They provide the necessary and sufficient conditions of the existence and uniqueness of the optimal solutions that could maximize the retailer's average profit per unit time. Basically, their paper is correct and interesting. Recently, several researchers have been showing a huge interest in developing simple and easy to implement solution procedures in management science. Therefore this paper indicates that Min et al.'s solution procedure can be further improved and simplified. So, the main purpose of this paper is to present simple and easy to understand solution procedures to locate the optimal solutions of an inventory model that considers deteriorating items under stock-dependent demand and two-level trade credit. © 2012 Elsevier Inc.

SciVal Topic Prominence

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