AN EOQ INVENTORY MODEL FOR WEIBULL DISTRIBUTED DETERIORATING ITEMS WITH POWER DEMAND PATTERN AND SHORTAGES

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Abstract

In this paper, an EOQ model is developed for Weibull deteriorating items with power demand pattern in which shortages are allowed and completely backlogged. In this model, we have considered Weibull two-parameter deterioration and power demand pattern. Finally, a numerical example has been studied along with its sensitivity.

Keywords and phrases: EOQ model, power demand, Weibull distribution, shortages, deterioration.

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