

عنوان مقاله:

Joint Replenish-Up-to Multi Products EOQ with Fuzzy Rough Demand

محل انتشار:

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خلاصه مقاله:

An uncertain economic order quantity (UEOQ) model payment in advance is developed to purchase high-price raw materials. A joint policy of replenishments and pre-payments is employed to supply the materials. The rate of demand is considered fuzzy rough variable, lead time is divided into three parts; the first interval is the time between the previous replenishment- time cycle is divided into three (t_0), the second one is the time between t_0 to a payment- time (t_{lc}), and the third interval is the period between t_{lc} to the next replenishment-time. At the beginning of the second interval (t_0), $a\%$ of the purchasing cost is paid. the remaining purchasing cost $((1-a)\%)$ is paid at the beginning of the third part (t_{lc}). we show that the model of this problem is a fuzzy rough mixed integer-nonlinear -programming type .and in order to solve it, a hybrid method of particle Swarm Optimization and fuzzy rough simulation is developed

کلمات کلیدی:

Joint Replenishment, EOQ, Particle Swarm Optimization, Fuzzy Rough Programming

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