다결정 대안을 갖는 생산공정에서 최적공정평균 및 스크리닝 한계선의 결정

Determination of Optimum Process Mean and Screening Limits for Production Processes with Multi-Decision Alternatives

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Abstract

The problem of jointly determining the optimum process mean and screening limits for each market is considered in situations where there are several markets with different price/cost structures. The quality characteristic is assumed to be a normal distribution with unknown mean and known variance. A quadratic loss function is utilized for developing the economic model. Methods of finding the optimum process mean and screening limits are presented and a numerical example is given.