

The Optimum Process Parameters under the One-Sided Specification Limit

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Abstract

A trade-off model with product quality and process adjustment cost was proposed by Huang, using the symmetric quadratic quality loss function for measuring the loss of quality. In this study, the modified Huang's cost models are proposed with truncated linear and quadratic quality loss functions for the one-sided specification limit product.

Keywords: Quality Loss Function, Trade-Off Model, Process Mean, Process Standard Deviation