

سمینار هفتگی گروه آمار

ACCEPTANCE SAMPLING PLAN USING FUZZY SETS THEORY

سفندان:

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زمان:

چهارشنبه ۲۲ اردیبهشت ماه ۱۳۹۵ ساعت ۱۰ صبح

مکان:

سالن دکتر بزرگ نیا

خلاصه:

The acceptance sampling plan problem is an important topic in quality control and both the theory of probability and theory of fuzzy sets may be used to solve it. In this talk, I discuss on the single and double acceptance sampling plans, when the proportion of nonconforming products is a fuzzy number. I show that the operating characteristic (OC) curve of the plan is a band having high and low bounds and that for fixed sample size and acceptance number, the width of the band depends on the ambiguity of proportion parameter in the lot. When the acceptance number equals zero, this band is convex. I compare the OC bands for a given value of c .