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On the confidence limits in the case of no failure data. (Chinese. English summary)

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Summary: We discuss the confidence limits in the case of no failure data. The general formulae for computing optimal lower confidence limits of some reliability parameters are derived and concrete results for exponential, Weibull and lognormal distributions are given, respectively.

MSC:

62N05 Reliability and life testing

62F25 Parametric tolerance and confidence regions

Cited in **2** Documents

Keywords:

confidence limits; no failure data; optimal lower confidence limits; reliability; exponential; Weibull; log-normal distributions