

论文

ANALYSIS OF WARRANTY POLICIES

CHENG Kan

Institute of Applied Mathematics Academia Sinica, Beijing 100080, China

收稿日期 修回日期 网络版发布日期 接受日期

摘要 There are some warranty policies commonly used: (1) Free-replacement warranty policy (FRW). (2) Pro-rata warranty policy (PRW). (3) Combination policies. In this paper a brief review of policies 1 and 2 as well as some new distribution properties of successive purchase times under the combination policies are given. In addition, a new warranty policy is suggested. Under this policy the failed item within free replacement period $[0, W]$ is subjected to minimal repair. Under certain cost structure, the long run average cost of customers and the profit of producers are analyzed. Finally, some examples are given.

关键词 [Warranty policy, free-replacement warran](#)

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Key words [Warranty policy](#) [free-replacement warranty policy](#) [pro-rata warranty policy](#) [minimal repair](#) [life cla](#)

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