

RELIABILITY'S INVESTIGATION OF MECHANICAL DETAILS OF TECHNICAL SYSTEMS

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Abstract

The technical usage of the technical systems (TS) imposes an interesting problem, concerning the insurance of their reliability from the manufacturer. A TS must consist of details with roughly the same reliability. This problem determines the dispersion interval of the technical recourse (TR) of the separate details of TS. This interval has to be within the margins of a permissible TR of the whole a system. This paper presents a research of the reliability of TS, with the usage of a criteria for disability of separate details caused by fatigue.

Keywords: reliability; destruction caused by fatigue; mechanical details; technical systems