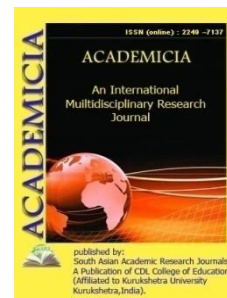




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**ASSESSMENT OF METROLOGICAL RELIABILITY OF
 MEASUREMENTS USING THE METHOD OF PRODUCING FUNCTIONS**

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ABSTRACT

In the suggested article, a confidence indicator is proposed as an evaluation of metrological reliability. The quantitative value of confidence indicator can be estimated by means of the method of generating functions. This is a scientific novelty of the work. Relevance of the problem of assessing the measuring instruments metrological reliability evaluation is substantiated in this paper since the current trend towards structural and functional complexity of measuring instruments may lead to decreasing of their reliability and, in particular, metrological reliability. The main goal of this work is to systematize the problems of reliability of measuring instruments and evaluate their metrological reliability using the method of generating functions.

KEYWORDS: *Reliability Indicator, Metrological Reliability, Assessment, Measuring Instruments.*

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