



Electrical engineering. M.M. Surdu, Z.Y. Monastyrskiy. "**Variational methods for increasing the accuracy of impedance meters**". Institute of Electrodynamics of the NAS of Ukraine. – Kyiv: Institute of Electrodynamics. 2015. – 385 p. 300 copies. ISBN 978-966-02-7803-5

The monograph describes the new (variational) methods for increasing the accuracy of impedance meters. The main attention is paid to the bridge instruments of measurement, as the most accurate, flexible and universal. The properties and structures of modern bridge measuring circuits are considered from the new positions. The correlations between variation parameters and metrological characteristics of the AC bridges are obtained. The diagrams and technical characteristics of the instruments of measuring equipment - both serial and universal, developed by using the considered methods, are given.

The monograph is intended for engineers and scientists engaged in the design and research of precision instruments for measuring the parameters of electric circuits, employees of metrological centers, as well as students and postgraduate students of the specialties of metrology and electrical measurements.