

The invention relates to the field of electromeasurement engineering and may be used for high-precision measurement of impedance components.

Summary of the invention consists in the formation of a resonant measuring circuit from the measured object and the reference element, supply of the resonant circuit with a measuring signal, control of the active value obtained as a result of interaction of the measuring signal with the resonant circuit and regulation of the impedance reference element up to resonance obtaining between the measured components of the unknown impedance and corresponding components of the reference, the reference impedance is produced virtually, by conversion of real reference values, the regulation of value thereof is carried out by regulation of these real reference values, the character of its components providing for the obtaining of resonance state is modeled inversely to the character of the corresponding measured components of the unknown impedance, and the value of the unknown impedance components are determined from the reference impedance dependence on the real reference values.

Claims: 1