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METHOD OF DETERMINATION OF THREE-PHASE VOLTAGE ASYMMETRY OF FUNDAMENTAL FREQUENCY AND ULTRAHARMONICS

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Abstract

The new method of digital determination of symmetric phase-sequence system of three-phase electric voltages is presented. It uses the next operations: tuning multiple three frequency of measuring of instantaneous values to fundamental frequency of network voltage; analog-digital transformation of instantaneous values of three networks voltages and memorized it; selection of codes that contain the sought after symmetric phase-sequence; selection of codes of voltage of fundamental frequency. A method differs in simplicity and exactness. References 10, figures 3.

Key words: indexes of quality of electric power; negative phase-sequence system of voltages, positive phase-sequence system of voltages, coefficient of asymmetry.

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