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DIAGNOSTICS OF INSULATION DEFECTS AND THE PROBLEM OF COVERING THE INTEGRAL PICTURE OF PARTIAL DISCHARGES

The problems of diagnostics of insulation defects of high-voltage electrical equipment elements based on the interpretation of the integral picture of partial discharges are considered in the paper. As a mathematical tool, we use the idea of the coverage problem - the decomposition of the set of instants of the registered PD into subsets associated with individual defects.

Keywords: high-voltage equipment, partial discharges, diagnostics, mathematical modeling, coating problem.

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