

Annotation

The graduate work "Research on methods for determining the life of insulation of low-voltage electrical machines" is associated with the reliable operation of insulation of electric power systems. The breakdown voltage of various types of low-voltage intermediate insulation of electrical machines decreases with increasing failure rate. This result is considered as a general law of the interaction of mechanical and electrical resistance for this type of electrical insulation system. It is recommended to use a low cooling rate of the impregnating composition in the process to create inter-turn insulation of electrical machines with a high service life.